CITY OF MEDINA

KING COUNTY **WASHINGTON**

MEDINA PARK
NORTH PARKING IMPROVEMENTS

S P E C I F I C A T I O N S, P R O P O S A L

A N D

C O N T R A C T D O C U M E N T S

TOUTA J. PHENGSAVATH
STATE OF WASHINGTON
38374
REGISTERED
PROFESSIONAL ENGINEER
06/20/16

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PART 1
BIDDING REQUIREMENTS

CALL FOR BIDS

CITY OF MEDINA, MEDINA, WA.

Sealed bids for the **Medina Park – North Parking Improvements** will be received by the City of Medina at City Hall, 501 Evergreen Point Road, PO Box 144, Medina, Washington 98039, up to 9:00 a.m. local time on **July 7, 2016** and will then and there be opened and publicly read.

The Work is as listed below. To determine the full scope of work under the contract or any part of it, bidders shall coordinate the applicable information in the several parts of the Plans, Specifications, and Contract Documents.

The Work to be performed shall include:

- Clearing, grubbing and grading.
- Remove and replace stairway and railing.
- Remove existing pavement, and other site features.
- Paving, planing bituminous pavement, and overlay.
- Install signing and pavement marking.
- And other work necessary to complete the Project.
- The Engineer's estimated construction cost range is $80,000 to $95,000.

All bid proposals shall be accompanied by a bid proposal deposit in cash, certified check, cashier's check, or surety bond in an amount equal to five percent (5%) of the amount of the bid proposal. Should the successful bidder fail to enter into the contract and furnish satisfactory performance bond within the time stated in the specifications, the bid proposal deposit shall be forfeited to the City of Medina.

The City of Medina reserves the right to reject any or all bids and to waive formalities.

If a contract is awarded, the Owner prefers to award one contract. Each Bidder by submission of a proposal acknowledges and understands the rights reserved by the Owner in awarding the contract and the Owner's right to award individual schedules and/or modify the size of the project.

Plans, Specifications, Addenda, and Planholder list for this project are available at Medina City Hall located at 501 Evergreen Point Road, Medina, Washington 98039. A $40.00 non-refundable fee will be charged for each set of plans, specifications, and contract documents. Bidders may also review the documents on the Builders Exchange web page at http://www.bxwa.com.

Each Bidder shall submit as part of its Bid, the names of Subcontractors whose subcontract amount is more than 10 percent of the Contract Price per schedule with whom Bidder, if awarded the contract, will subcontract for performance of the categories of Work designated on the list to be submitted with the Bid. Failure to name such Subcontractors shall be construed that the Bidder will not use a subcontractor.

For information concerning the project, contact Ryan Osada, Director of Public Works at (425) 233-6439 rosada@medina-wa.gov .

As part of the City's affirmative action effort, the City encourages the participation of certified disadvantaged businesses and women's business enterprises to act as prime contractors, as well as, subcontractors on this project.

City Clerk
City of Medina

Date of Publications in:

Seattle Daily Journal of Commerce: June 21, 2016 and June 28, 2016

END OF CALL FOR BIDS

BIDDER'S CHECKLIST AND BIDDING INFORMATION

A. The following must be executed by the Bidder in full prior to the submittal of the bid.

____ **1. STATEMENT OF BIDDER'S QUALIFICATIONS**
Form is to be completed by Bidder.

____ **2. CERTIFICATE OF INSURABILITY**
The Certificate of Insurability must be completed and signed by insurance agent or broker who will secure the insurance for the project.

____ **3. BIDDERS AND PROPOSED SUBCONTRACTOR'S QUALIFICATIONS**
Forms to be completed by Bidder.

____ **4. NON-COLLUSION AFFIDAVIT**
Form is to be acknowledged and signed by the Bidder.

____ **5. PROPOSAL**
Lump sum or unit prices must be shown in the spaces provided, and they are to be written in both words and figures. The Proposal must be signed and notarized. Receipt of Addenda must be acknowledged.

____ **6. PROPOSED GUARANTEE**
Bid Bond executed by the Bidder and the surety company with the amount shown in dollars or as a percentage, a certified check or cashier's check payable to the City Clerk of the City of Medina, or cash in an amount equal to at least five percent (5%) of the sum of extended totals plus applicable taxes, shall accompany or be attached to the Proposal.

B. The following forms are to be executed after the Contract is awarded.

____ **1. AGREEMENT**
The agreement is to be executed by the successful Bidder.

____ **2. PERFORMANCE BOND AND LABOR AND MATERIAL PAYMENT BOND**
To be executed by the successful Bidder and his surety company.

____ **3. CERTIFICATE OF INSURANCE**
Certificate of Insurance to be secured from the insurance company by the successful Bidder and include documentation showing extent of coverage in the form of certified copies of the insurance policies and all endorsements required under the terms and conditions of the Contract. See Specification Section 1-07.18. If certified copies are not immediately available, non-certified copies must be submitted; however, certified copies must be provided prior to request for the first payment to the Contractor.

____ **4. RETAINAGE AGREEMENT**

C. MISCELLANEOUS BIDDING INFORMATION

No bid will be considered unless accompanied by a Proposal Guarantee.

Should the successful Bidder fail to enter into a contract agreement and furnish a satisfactory performance bond and labor and material payment bond within the time stated in the specifications, the proposal guarantee shall be forfeited to the City of Medina. No Bidder may withdraw his bid after the time set for opening thereof, or before the award of contract unless the award of contract is delayed for a period exceeding Sixty (60) calendar days.

The City of Medina hereby notifies all Bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged businesses and women's businesses will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

The Bidder shall conform to the disadvantaged and women's business enterprise goals when specified in these Contract Documents.

The City of Medina reserves the right to reject any or all bids and to waive informalities.

The City of Medina reserves the right to award a contract in a manner and on a basis which will best serve the City, taking into consideration the information in the Statement of Bidder's Qualifications included with the bid.

The Bidder declares that he understands the rights reserved by the City in awarding the Contract in its entirety or in individual schedules and the right to modify the size of the project.

END OF BIDDER’S CHECKLIST/BIDDER INFORMATION

STATEMENT OF BIDDER'S QUALIFICATIONS

Name of Contractor: _____ e-mail: _____

Address: _____

Number of years the contractor has been engaged in the construction business under the present firm name: _____ State UBI No. _____

Gross dollar amount of work under contract: _____

Gross dollar amount of contracts not completed: _____

General character of work performed by contractor:

_____

List of five major projects of a similar nature which have been completed by the contractor within the last ten years and the gross dollar amount of each project:

1. Project Name: _____
   Owner: _____ $ _____
   Project Engineer: _____ Phone: _____
2. Project Name: _____
   Owner: _____ $ _____
   Project Engineer: _____ Phone: _____
3. Project Name: _____
   Owner: _____ $ _____
   Project Engineer: _____ Phone: _____
4. Project Name: _____
   Owner: _____ $ _____
   Project Engineer: _____ Phone: _____
5. Project Name: _____
   Owner: _____ $ _____
   Project Engineer: _____ Phone: _____

END OF STATEMENT OF BIDDER'S QUALIFICATIONS

CERTIFICATE OF INSURABILITY

This is to certify that,

if _____
(Bidder Name)

is awarded a contract for the **Medina Park – North Parking Improvements** the insurance coverage required by these contract documents is available and will be provided to the Bidder by:

_____
Name of Insurance Company

_____
Street

_____
City State Zip

_____
Telephone Number

_____
Authorized Signature of Agent

_____
Date

END OF CERTIFICATE OF INSURABILITY

PROPOSED SUBCONTRACTORS

The following is a list of the subcontractors that may be used in the work if the bidder is awarded the contract. Additional numbered pages outlining this portion of the Proposal may be attached to this page.

Subcontractor Name, Address, Phone Number Function

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

END OF PROPOSED SUBCONTRACTORS

STATEMENT OF SUBCONTRACTORS' QUALIFICATIONS

Name of Contractor: _____ License No. _____

Address: _____

Number of years the contractor has been engaged in the Concrete construction under the present firm name: _____

Gross dollar amount of work under contract: _____

Gross dollar amount of contracts not completed: _____

General character of work performed by contractor: _____

List of five major projects of a similar nature, which have been completed by the contractor within the last ten years and the gross dollar amount of each project & the dollar amount of the Subcontractor's portion of the project.

1. Project Name & Location: _____
   Owner: _____ $ _____
   Date of Completion: _____ Subcontractor's Portion $ _____
   Subcontractor Foreman or Superintendent: _____
   Project Engineer: _____ Phone: _____
2. Project Name & Location: _____
   Owner: _____ $ _____
   Date of Completion: _____ Subcontractor's Portion $ _____
   Subcontractor Foreman or Superintendent: _____
   Project Engineer: _____ Phone: _____
3. Project Name & Location: _____
   Owner: _____ $ _____
   Date of Completion: _____ Subcontractor's Portion $ _____
   Subcontractor Foreman or Superintendent: _____
   Project Engineer: _____ Phone: _____
4. Project Name & Location: _____
   Owner: _____ $ _____
   Date of Completion: _____ Subcontractor's Portion $ _____
   Subcontractor Foreman or Superintendent: _____
   Project Engineer: _____ Phone: _____
5. Project Name & Location: _____
   Owner: _____ $ _____
   Date of Completion: _____ Subcontractor's Portion $ _____
   Subcontractor Foreman or Superintendent: _____
   Project Engineer: _____ Phone: _____

END OF STATEMENT OF SUBCONTRACTORS QUALIFICATIONS

NON-COLLUSION DECLARATION

I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United Sates that the following statements are true and correct:

1. That the undersigned person(s), firm, association or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the projects for which this proposal is submitted.

2. That by signing the signature page of this proposal, I am deemed to have signed and have agreed to the provisions of this declaration.

END OF NON-COLLUSION DECLARATION

PROPOSAL

(NOTE TO BIDDER: Use **BLACK** ink when completing this proposal form)

TO: City of Medina

ADDRESS: c/o Director of Public Works
P.O. Box 144
Medina, Washington 98039

PROJECT TITLE: **Medina Park – North Parking Improvements**

Bidder Declaration and Understanding

The undersigned Bidder hereby declares that he has carefully examined the Contract Documents for the construction of the project, that he has personally inspected the site, that he has satisfied himself as to the quantities involved, including materials and equipment, and conditions of work involved, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the quantities with the detailed requirements of the Contract Documents, and that this Proposal is made according to the provisions and under the terms of the Contract Documents, which Documents are hereby made a part of this Proposal. The Bidder further declares that he has exercised his own judgment regarding the interpretation of subsurface information and has utilized all data, which he believes pertinent from the Engineer, Owner, and other sources and has made such independent investigations as the Bidder deems necessary in arriving at his conclusions.

The Bidder certifies that he has exercised all options available to him toward reaching the goal for disadvantaged business enterprise utilization specified in these Contract Documents. As part of the City's affirmative action effort, the City encourages participation of certified disadvantaged businesses and women business enterprises to act as prime contractors, as well as, subcontractors on this project. The Bidder further agrees that he shall provide the minimum number of hours of training in compliance with Equal Employment Opportunity responsibilities (if required).

Agreement Execution

The Bidder agrees that if this Proposal is accepted, he will, within ten (10) calendar days after Notice of Award, complete and sign the Agreement in the form annexed hereto, and will at that time, deliver to the Owner executed copies of the Performance Bond, Labor and Material Payment Bond. The Certificate of Insurance in the form annexed hereto, and other documentation required by the Contract Documents, and will, to the extent of his Proposal, furnish all machinery, tools, apparatus, and other means of construction and of the work and furnish all the materials or services necessary to complete all work as specified or indicated in the Contract Documents.

Start of Construction and Contract Completion Time

The Bidder agrees that time is of the essence and that he will begin work within 15 days of "Notice to Proceed", and will achieve completion in all respects for:

Medina Park – North Parking Improvements within 30 calendar days from date of issuance of Notice to Proceed

(Except for extensions of time granted in accordance with Section 1-08.8, herein) and will, if necessary, accelerate his work, add additional workmen and equipment and expedite materials delivery to meet these dates, all at no additional expense to the OWNER:

To this end, the following requirements and conditions are included in the contract:

1. The Contractor shall submit a detailed construction schedule, which identifies salient items of work including but not limited to: mobilization, site preparation work, utility installation, asphalt planing, asphalt paving, raising utility covers to grade, pavement markings, site restoration and cleanup.

2. The Contractor's construction schedule shall be presented by the Contractor's representative at a preconstruction conference with the Engineer. The Contractor will be notified of the date and time for the conference at least three working days in advance.

3. Normal working hours shall be from 7:30 a.m. to 4:30 p.m. Monday through Friday, and 9:00 AM to 4:00 PM on Saturdays, and not on Sundays or Holidays.

4. The contractor shall not block access to homes unless absolutely necessary for the work being conducted and shall provide a minimum of 24 hours advance notice to owners of the closure. During work hours at least one lane of the roadway must be open to traffic with signs and flagmen to direct traffic.

5. The Contractor shall not store any materials on the street overnight unless otherwise authorized by the Engineer. Those materials stored on the street during working hours are to be used completely during the day in which they are stored. Equipment and vehicles shall not be stored or parked on the street, unless authorized by the Engineer and shall not in any case interfere with traffic or pedestrian travel.

6. The Contractor shall clear the work site at the end of every workday, by the time specified as normal working hours and shall have completed all backfilling, temporary paving, removed all unused materials and swept up all debris, dirt and excess materials and removed them from the street and

walkways. Steel trench plating may be used only on a limited basis but only with prior approval of the Engineer on a case-by-case basis.

7. Contractor shall notify and coordinate his work with the property owners fronting the project to minimize the impact of the disturbance to their activities.

8. Public access to residential streets shall be maintained throughout the project. Do not close any access without providing for another access and installing informational signing to guide the public to the other access. Maintain driveways to properties, which do not have another access and schedule their construction to minimize the impact.

9. The City has not secured a staging area for this project for use by the Contractor. The Contractor shall be responsible to secure his own staging area and shall be subject to the following conditions:

    a. Material storage areas shall be secured when no one is present on the site. Stockpiling of unsuitable excavation, gravel, asphalt, rock or other material shall be limited to 20 cubic yards of material, unless otherwise approved by the City Engineer. Stockpiling or handling of materials at a staging area shall be limited to minimize noise, dust, and construction traffic, which impact neighboring residents.

    b. Access to a staging area shall be limited to public streets. All areas around the work site(s) including access routes shall be swept with a street sweeper and water spray to control dust on a daily basis or as necessary to control dust and remove debris.

    c. Refuse dumpsters and sanitary restroom facilities shall be provided by the Contractor. They shall be maintained and serviced as needed.

    d. Any temporary service (i.e., water, power, telephone, etc.) shall be provided by the Contractor.

    e. Contractor or Subcontractor personnel shall not park on private property, on the public right-of-way, or in residential driveways. All parking, equipment, storage activities shall be restricted to a staging area or parking areas that have been secured by permission from the Owner by the Contractor for such use.

    f. The Contractor shall save and hold harmless the City and its agents or assigns against any and all liability for injury or damage to persons or property, which might occur as a result of the use of a staging area.

g. The Contractor shall be required to make all necessary arrangements and agreements to use a staging area and to fully restore the site and to repair any damage resulting from its use, including all haul routes and material handling areas. The Contractor shall obtain a release from the property owner and shall submit it to the Engineer prior to Final Project Acceptance.

h. All requirements of the agreement and arrangement for the use, restoration and site improvements associated with the Staging Area shall be completed by the Contractor at no expense to the City.

Liquidated Damages

It is important to the City that this project be completed in as short a time, with as little disruption, as possible. The City and the Contractor recognize that time is of the essence for this contract and that the City will suffer financial loss if the work is not completed within the time specified above.

It is essential that the Contracting Agency have full and unrestricted use of the facilities at the earliest possible time.

The second and third paragraphs of Section 1-08.9, Liquidated Damages, are revised to read:

If the Contractor fails to physically complete the contract work within the contract time, the Contractor agrees to pay and authorizes and directs the Contracting Agency to deduct from any money due or coming due to the Contractor the sum of $500.00 for each working day beyond the date established for physical completion of the work.

Lump Sum or Unit Price Work

The Bidder further proposes to accept as full payment for the work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following lump sum or unit price amounts, it being expressly understood that the unit prices are independent of the exact quantities involved. The Bidder agrees that the lump sum prices and the unit prices represent a true measure of the labor, services and materials required to perform the work, including all allowances for Contractor-paid taxes, insurance, overhead and profit for each type and unit of work called for in these Contract Documents. The amounts shall be shown in both words and figures. In case of a discrepancy, the amount shown in words shall govern.

If any material, item, or service required by the Contract Documents has not been mentioned specifically, the same shall be furnished and placed with the understanding that the full cost to the Owner has been merged with the unit prices named in the Proposal.

Medina Park – North Parking Improvements

Show prices in figures only (ink or typed). Show cents to 2 decimal points. Where conflict occurs between the unit price and the total amount specified for any item, the Unit Price shall prevail, and totals shall be corrected to conform thereto. If any Unit Price is left blank, it will be considered no charge for that bid item, regardless of what has been placed in the Amount column.

Item No.	Spec. Sec. #	Item Description	Unit	Estimated Quantity	Unit Price	Amount
1	1-05	Surveying	LS	1		
2	1-09	Mobilization	LS	1		
3	1-10	Project Temporary Traffic Control	LS	1		
4	2-03	Roadway Excavation Incl. Haul	LS	1		
5	4-04	Crushed Surfacing Top Course	TN	160		
6	5-04	HMA Cl. ½" PG 64-22 (Commercial)	TN	260		
7	5-04	Planing Bituminous Pavement	SY	650		
8	6-02	Cement Concrete Stairway and Railing	LS	1		
9	8-01	Temporary Erosion/Water Pollution Control	LS	1		
10	8-02	Seeded Lawn Installation	SY	90		
11	8-04	Asphalt Concrete Wedge	LF	310		

Medina Park – North Parking Improvements

Show prices in figures only (ink or typed). Show cents to 2 decimal points. Where conflict occurs between the unit price and the total amount specified for any item, the Unit Price shall prevail, and totals shall be corrected to conform thereto. If any Unit Price is left blank, it will be considered no charge for that bid item, regardless of what has been placed in the Amount column.

Item No.	Spec. Sec. #	Item Description	Unit	Estimated Quantity	Unit Price	Amount
12	8-21	Permanent Signing	LS	1		
13	8-22	Paint Line	LF	560		
14	8-22	Painted Traffic Arrow	EA	3		
15	8-22	Painted Access Parking Space Symbol	EA	1		

TOTAL BID PRICE $ _____

_____

(Price in Writing)

CONTRACTOR'S SUPERINTENDENT CREDENTIALS

SUPERINTENDENT'S NAME _____

MOBILE PHONE NO: _____

Number years that the Superintended has worked for Contractor: _____

Management experience beginning with the most recent:

Project	Nature of Work	Duties	Dates of Employment From	Dates of Employment To	Proj. Owner Reference Name & Phone
1.					
2.					
3.					
4.					
5.					

Public Relations Experience: _____

This project will require 24-hour-a-day contact and onsite meetings with the public and Owner representatives. How will you balance your responsibilities to provide adequate supervision over the work and also be available to address public concerns or issues?

What methods have you found to be effective in resolving public concerns and complaints?

What public issues need to be addressed before construction begins?

COMPLIANCE WITH LAWS

The Bidder certifies that he has examined and agrees to comply with all legal requirements (Federal, State and local laws, ordinances and regulations), which are required by these Contract Documents and those that are pertinent to construction contracts of this nature, even though such laws or ordinances may not have been quoted or referred to in these Contract Documents.

ELIGIBLE CONTRACT CERTIFICATION

The Bidder certifies that the Bidder is not included in the U.S. Comptroller General's Consolidated List of Persons of Firms currently debarred for violations of various public contracts incorporating labor standard divisions.

CERTIFICATION OF NONSEGREGATED FACILITIES

The Bidder certifies that the Bidder does not maintain or provide for the Bidder's Employees any segregated facilities at any of the Bidder's establishments, and that the Bidder does not permit the Bidder's employees to perform their services at any location, under the Bidder's control, where segregated facilities are maintained. The Bidder certifies further that the Bidder will not maintain or provide for the Bidder's employees any segregated facilities at any of the Bidder's establishments, and that the Bidder will not permit the Bidder's employees to perform their services at any location under the Bidder's control where segregated facilities are maintained. The Bidder agrees that a breach of this certification shall be a violation of the Equal Opportunity Clause in any contract resulting from acceptance of this bid. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other seating areas, time clocks, locker rooms and other storage and dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation and housing facilities provided for employees which are segregated by explicit directive or are in fact, segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or otherwise. The Bidder agrees that (except where the Bidder has obtained identical certification from proposed subcontractors for specific time periods) the Bidder will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding $10,000, which are not exempt from the provisions of the Equal Opportunity Clause, and that the Bidder will retain such certifications in the Bidder's files.

The Bidder agrees to include or cause to be included, the above three paragraphs in every non-exempt subcontract, and further agrees to take such action the Owner may direct as a means of enforcing these requirements.

PREVAILING WAGES

The Bidder agrees to pay to labor not less than the hourly minimum rates of wages and fringe benefits determined by the State of Washington Department of Labor and Industries, or by the Secretary of Labor (Federal Wage Rates).

SURETY

If the Bidder is awarded a construction contract on this Proposal, the Surety who provides the Performance and Payment Bond will be

_____

whose address is _____
Street

_____
City State Zip

BIDDER

The name of the Bidder submitting this proposal is _____

_____

_____
Street

_____
City State Zip

which is the address to which all communications concerned with this Proposal and with the Contract shall be sent.

Bidder's person to contact for additional information on this Proposal:

_____ Phone _____
(Print or type)

The names of the principal officers of the corporation submitting this Proposal, or of the partnership, or of all persons interested in this Proposal as principals are as follows:

_____ _____

_____ _____

_____ _____
(Print or type) (Title)

State of Washington Contractor Registration No. _____

Washington State Department of Labor and Industrial Workers' Compensation Account Number is _____

RECEIPT OF ADDENDA

Receipt is hereby acknowledged of addenda no.(s):

_____ , _____ , _____

_____ , _____ , _____

PROPOSAL SIGNATURE

If Sole Proprietor or Partnership

IN WITNESS hereto the undersigned has set his (its) hand this

_____ day of _____ , 20 _____ .

_____

Signature of Bidder

_____

Title

If Corporation

IN WITNESS WHEREOF the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officers this

_____ day of _____ , 20 _____ .

_____

Attest: Name of Corporation

_____ By _____

Secretary Title _____

Sworn to before me this _____ day of

_____ , 20 ____ .

_____

Notary Public in and for the State of Washington

Residing at _____

END OF PROPOSAL

BID BOND

BOND NO. _____

AMOUNT $_____

KNOW ALL MEN BY THESE PRESENTS, that _____

_____

hereinafter called the PRINCIPAL, and _____

_____

a corporation duly organized under the laws of the State of_____

having its principal place of business at_____

_____ in the State of_____

and authorized to do business in the State of Washington, as SURETY, are held and firmly bound unto the City of Medina, Washington as OWNER, hereinafter called the OBLIGEE, in the sum of_____ DOLLARS ($_____)

for the payment for which we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT:

WHEREAS, the PRINCIPAL is herewith submitting his or its Bid for **Medina Park – North Parking Improvements**, said Bid by reference thereto, being hereby made a part hereof.

NOW, THEREFORE, if the Bid Proposal submitted by the PRINCIPAL is accepted, and the Contract awarded to the PRINCIPAL, and if the PRINCIPAL shall execute the proposed Contract and shall furnish such Performance and Payment Bond as required by the Contract Documents within the time fixed by the Documents, then this obligation shall be void; if the PRINCIPAL shall fail to execute the proposed Contract and furnish the bond, the SURETY hereby agrees to pay to the OBLIGEE the said sum as liquidated damages.

Signed and sealed this _____ day of _____ , 20____

PRINCIPAL	SURETY
By _____	By _____
	Attorney-In-Fact

The Attorney-in-Fact who executes this bond in behalf of the SURETY must attach a copy of his power-of-attorney as evidence of his authority.

END OF BID BOND

PART 2
AGREEMENT FORMS

AGREEMENT

This Agreement made and entered into this ____ day of _____, 20___, by and between the City of Medina, Medina, Washington, a municipal corporation, hereinafter called the "Owner", and

_____

of _____

hereinafter called the "Contractor";

WITNESSETH:

The Contractor in consideration of the sum to be paid him by the Owner and of the Covenants and agreements herein contained, hereby agrees to do all the work and furnish all the materials, tools, labor, services, and all appliances, machinery, and appurtenances for: **Medina Park – North Parking Improvements** at his own proper cost and expense as shown in the Proposal made by the Contractor, dated the _____ day of _____, 20___ all in full compliance with the Contract Documents referred to herein.

The Bidding Requirements, including the signed copy of the Proposal, the Agreement Forms, the Specifications, and the Drawings are hereby referred to as the Contract Documents and by reference made a part of this Contract as fully and completely as if the same were fully set forth herein and are mutually cooperative therewith.

In consideration of the performance of the work as set forth in these Contract Documents, the Owner agrees to pay to the Contractor the amount bid in the Proposal as adjusted in accordance with the Contract Documents, or as otherwise herein provided, and to make such payments in the manner and at the times provided in the Contract Documents.

Completion of work and liquidated damages shall be as set forth in the Contract Documents.

IN WITNESS WHEREOF, we, the parties hereto, each herewith subscribe.

CITY OF MEDINA	CONTRACTOR
By _____	By _____
Title_____	Title_____
	By _____
	(Secretary, if a Corporation)
	Bond No._____
	Amount _____

PUBLIC WORKS CONTRACT PERFORMANCE BOND AND LABOR & MATERIAL PAYMENT BOND

KNOW ALL BY THESE PRESENTS, THAT, _____,

as Principal, hereinafter called Contractor, and _____

_____, herein after called Surety, a corporation duly organized and existing under the laws of the state of

_____, and duly authorized to do business and transacting business in the State of Washington as Surety are held and firmly bound and obligated to the City of Medina, a Municipal Corporation located at 501 Evergreen Point Road, P.O.Box 144, Medina, Washington, 98039 hereinafter called Owner, in the full sum and

just sum of _____,

($_____), lawful money of the United States, for the payment of which sum will and truly to be made, Surety and Contractor do bind themselves, and each of their heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THIS BOND IS EXECUTED IN PURSUANCE OF CHAPTER 39.08 REVISED CODE OF WASHINGTON AND BINDS SURETY AND CONTRACTOR TO THE CONTENTS THEREOF.

THAT CONDITIONS OF THIS OBLIGATION ARE SUCH, that WHEREAS, the principal entered into a certain contract entitled

Medina Park – North Parking Improvements

with: **The City of Medina**
Owner

dated the _____ day of _____, 20___.

NOW THEREFORE, if the Principal shall faithfully perform all the provisions of such contract and pay all laborers, mechanics and subcontractors and materialmen, and all persons who shall supply such person or persons, or subcontractor, with provisions and supplies for the carrying on of such work, then this obligation is void; otherwise to remain in full force and effect.

No change, extension of time, alteration or addition to the work to be performed under the Contract shall in any way affect Principal or Surety's obligation on this bond, and Surety does hereby waive notice of any changes, extension of time, alterations or additions thereunder.

PROVIDED, HOWEVER, that the conditions of this obligation shall not apply to any money loaned or advanced to the Principal or to any subcontractor or other person in the performance of any such work.

SIGNED AND SEALED this _____ day of _____, 20____.

_____
Contractor

_____
Surety

_____
Attorney-In-Fact

_____
Notary Public in and for
the State of Washington
residing at_____

The Attorney-In-Fact, who executes this bond on behalf of Surety, must attach a copy of his Power of Attorney as evidence of his authority.

RETAINAGE AGREEMENT

Contract Title **Medina Park – North Parking Improvements**

Contractor Name _____

Contractor Address _____

State Law on How Contract Retainage Monies can be Reserved:

RCW 60.28.010 Retained percentage, labor and material Contracts for public improvements or work other than for professional services, provides that there shall be reserved by the city from the monies earned by the contractor on estimates during the progress of the improvement or work, a sum of five percent of such estimates, said sum to be retained by the city as a trust fund for the protection and payment of any persons performing work or supplying provisions or supplies during the work. The monies reserved for contract retainage may be reserved by the contractor choosing one of the following three options:

Contractor Options (Contractor shall place an "x" in one of three boxes below.)

[ ](a) Retained in a fund by the public body until thirty days following the final acceptance of said improvements or work as completed; or

[ ](b) Deposited by the public body in an interest bearing account in a bank, mutual savings bank, or savings and loan association, not subject to withdrawal until after the final acceptance of said improvement or work as completed, or until agreed to by both parties: Provided that interest on such account shall be paid to the contractor;

[ ]c) Placed in escrow with a bank or trust company by the public body until thirty days following the final acceptance of said improvement or work as completed.

Contractor's Bank

If Contractor selects contractor options (b) or (c) above, Contractor shall designate below the bank in which the retainage is to be deposited:

ACCOUNT NO. _____

BANK NAME _____

BANK ADDRESS _____

_____

Agreement

Contractor and City agree that all or part of the monies in the account can only be approved for disbursement by Bank to Contractor upon written authorization of the City Treasurer.

By _____ By _____

City of Medina Contractor

Date _____ Date _____

PART 3
AMENDMENTS TO THE STANDARD SPECIFICATIONS

INTRO.AP1

INTRODUCTION

The following Amendments and Special Provisions shall be used in conjunction with the 2016 Standard Specifications for Road, Bridge, and Municipal Construction.

AMENDMENTS TO THE STANDARD SPECIFICATIONS

The following Amendments to the Standard Specifications are made a part of this contract and supersede any conflicting provisions of the Standard Specifications. For informational purposes, the date following each Amendment title indicates the implementation date of the Amendment or the latest date of revision.

Each Amendment contains all current revisions to the applicable section of the Standard Specifications and may include references which do not apply to this particular project.

1-02.AP1

Section 1-02, Bid Procedures and Conditions
April 4, 2016

1-02.4(1) General
The first sentence of the last paragraph is revised to read:

> Any prospective Bidder desiring an explanation or interpretation of the Bid Documents, shall request the explanation or interpretation in writing by close of business on the Thursday preceding the bid opening to allow a written reply to reach all prospective Bidders before the submission of their Bids.

1-02.9 Delivery of Proposal
The last sentence of the third paragraph is revised to read:

> The Contracting Agency will not open or consider any Proposal when the Proposal or Bid deposit is received after the time specified for receipt of Proposals or received in a location other than that specified for receipt of Proposals unless an emergency or unanticipated event interrupts normal work processes of the Contracting Agency so that Proposals cannot be received.

The following new paragraph is inserted before the last paragraph:

> If an emergency or unanticipated event interrupts normal work processes of the Contracting Agency so that Proposals cannot be received at the office designated for receipt of bids as specified in Section 1-02.12 the time specified for receipt of the Proposal will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which the normal work processes of the Contracting Agency resume.

1-02.12 Public Opening of Proposals
This section is supplemented with the following new paragraph:

> If an emergency or unanticipated event interrupts normal work processes of the Contracting Agency so that Proposals cannot be opened at the time indicated in the call for Bids the time specified for opening of Proposals will be deemed to be extended to the

same time of day on the first work day on which the normal work processes of the Contracting Agency resume.

1-06.AP1

Section 1-06, Control of Material
January 4, 2016

This section is supplemented with the following new section and subsections:

1-06.6 Recycled Materials
The Contractor shall make their best effort to utilize recycled materials in the construction of the project; the use of recycled concrete aggregate as specified in Section 1-06.6(1)A is a requirement of the Contract.

The Contractor shall submit a Recycled Material Utilization Plan as a Type 1 Working Drawing within 30 calendar days after the Contract is executed. The plan shall provide the Contractor's anticipated usage of recycled materials for meeting the requirements of these Specifications. The quantity of recycled materials will be provided in tons and as a percentage of the Plan quantity for each material listed in Section 9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material. When a Contract does not include Work that requires the use of a material that is included in the requirements for using materials the Contractor may state in their plan that no recycled materials are proposed for use.

Prior to Physical Completion the Contractor shall report the quantity of recycled materials that were utilized in the construction of the project for each of the items listed in Section 9-03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled glass, steel furnace slag and other recycled materials (e.g. utilization of on-site material and aggregates from concrete returned to the supplier). The Contractor's report shall be provided on DOT Form 350-075 Recycled Materials Reporting.

1-06.6(1) Recycling of Aggregate and Concrete Materials

1-06.6(1)A General
The minimum quantity of recycled concrete aggregate shall be 25 percent of the total quantity of aggregate that is incorporated into the Contract for those items listed in Section 9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material that allow the use of recycled concrete aggregate. The percentage of recycled material incorporated into the project for meeting the required percentage will be calculated in tons based on the quantity of recycled concrete used on the entire Contract and not as individual items.

If the Contractor's total cost for Work with recycled concrete aggregate is greater than without the Contractor may choose to not use recycled concrete aggregate. When the Contractor does not meet the minimum requirement of 25 percent recycled concrete aggregate for the Contract due to costs or any other reason the following shall be submitted:

1. A cost estimate for each material listed in Section 9-03.21(1)E that is utilized on the Contract. The cost estimate shall include the following:

a. The estimated costs for the Work for each material with 25 percent recycled concrete aggregate. The cost estimate shall include for each material a copy of the price quote from the supplier with the lowest total cost for the Work.

b. The estimated costs for the Work for each material without recycled concrete aggregate.

The Contractor's cost estimates shall be submitted as an attachment to the Recycled Materials Reporting form.

1-07.AP1

Section 1-07, Legal Relations and Responsibilities to the Public
April 4, 2016

1-07.1 Laws to be Observed
In the second to last sentence of the third paragraph, "WSDOT" is revised to read "Contracting Agency".

1-07.2(2) State Sales Tax: WAC 458-20-170 – Retail Sales Tax
The last three sentences of the first paragraph are deleted and replaced with the following new sentence:

The Contractor (Prime or Subcontractor) shall include sales or use tax on the purchase or rental of tools, machinery, equipment, or consumable supplies not integrated into the project, in the unit bid prices.

1-07.9(2) Posting Notices
Items 1 and 2 are revised to read:

1. EEOC - P/E-1 (revised 11/09, supplemented 09/15) – **Equal Employment Opportunity IS THE LAW** published by US Department of Labor. Post for projects with federal-aid funding.

2. FHWA 1022 (revised 05/15) – **NOTICE Federal-Aid Project** published by Federal Highway Administration (FHWA). Post for projects with federal-aid funding.

Items 5, 6 and 7 are revised to read:

5. WHD 1420 (revised 02/13) – **Employee Rights and Responsibilities Under The Family And Medical Leave Act** published by US Department of Labor. Post on all projects.

6. WHD 1462 (revised 01/16) – **Employee Polygraph Protection Act** published by US Department of Labor. Post on all projects.

7. F416-081-909 (revised 09/15) – **Job Safety and Health Law** published by Washington State Department of Labor and Industries. Post on all projects.

Items 9 and 10 are revised to read:

9. F700-074-909 (revised 06/13) – **Your Rights as a Worker in Washington State** by Washington State Department of Labor and Industries (L&I). Post on all projects.

10. EMS 9874 (revised 10/15) – **Unemployment Benefits** published by Washington State Employment Security Department. Post on all projects.

1-08.AP1

Section 1-08, Prosecution and Progress
January 4, 2016

1-08.1(1) Prompt Payment, Subcontract Completion and Return of Retainage Withheld
In item number 5 of the first paragraph, "WSDOT" is revised to read "Contracting Agency".

1-09.AP1

Section 1-09, Measurement and Payment
April 4, 2016

1-09.6 Force Account
The second sentence of item number 4 is revised to read:

A "specialized service" is a work operation that is not typically done by worker classifications as defined by the Washington State Department of Labor and Industries and by the Davis Bacon Act, and therefore bills by invoice for work in road, bridge and municipal construction.

5-02.AP5

Section 5-02, Bituminous Surface Treatment
April 4, 2016

5-02.3(2) Preparation of Roadway Surface
This section is supplemented with the following new subsection:

5-02.3(2)E Crack Sealing
Where shown in the Plans, seal cracks and joints in the pavement in accordance with Section 5-04.3(4)A1 and the following:

1. Cracks ¼ inch to 1 inch in width - fill with hot poured sealant.

2. Cracks greater than 1 inch in width – fill with sand slurry.

5-04.AP5

Section 5-04, Hot Mix Asphalt
April 4, 2016

This section (and all subsections) is revised to read:

This Section 5-04 is written in a style which, unless otherwise indicated, shall be interpreted as direction to the Contractor.

5-04.1 Description
This Work consists of providing and placing one or more layers of plant-mixed hot mix asphalt (HMA) on a prepared foundation or base, in accordance with these

Specifications and the lines, grades, thicknesses, and typical cross-sections shown in the Plans. The manufacture of HMA may include warm mix asphalt (WMA) processes in accordance with these Specifications.

HMA shall be composed of asphalt binder and mineral materials as required, and may include reclaimed asphalt pavement (RAP) or reclaimed asphalt shingles (RAS), mixed in the proportions specified to provide a homogeneous, stable, and workable mix.

5-04.2 Materials
Provide materials as specified in these sections:

Asphalt Binder	9-02.1(4)
Cationic Emulsified Asphalt	9-02.1(6)
Anti-Stripping Additive	9-02.4
Warm Mix Asphalt Additive	9-02.5
Aggregates	9-03.8
Reclaimed Asphalt Pavement (RAP)	9-03.8(3)B
Reclaimed Asphalt Shingles (RAS)	9-03.8(3)B
Mineral Filler	9-03.8(5)
Recycled Material	9-03.21
Hot Poured Sealant	9-04.2(1)A
Sand Slurry	9-04.2(1)B

5-04.2(1) How to Get an HMA Mix Design on the QPL
Comply with each of the following:

- Develop the mix design in accordance with WSDOT SOP 732.
- Develop a mix design that complies with Sections 9-03.8(2) and 9-03.8(6).
- Develop a mix design no more than 6 months prior to submitting it for QPL evaluation.
- Submit mix designs to the WSDOT State Materials Laboratory in Tumwater, including WSDOT Form 350-042.
- Include representative samples of the materials that are to be used in the HMA production as part of the mix design submittal. See Section 5-04.2(1)A to determine when to include samples of RAP or RAS.
- Identify the brand, type, and percentage of anti-stripping additive in the mix design submittal.
- Include with the mix design submittal a certification from the asphalt binder supplier that the anti-stripping additive is compatible with the crude source and the formulation of asphalt binder proposed for use in the mix design.
- Do not include warm mix asphalt (WMA) additives when developing a mix design or submitting a mix design for QPL evaluation. The use of warm mix asphalt (WMA) additives is not part of the process for obtaining approval for listing a mix design on the QPL. Refer to Section 5-04.2(2)B.

The Contracting Agency's basis for approving, testing, and evaluating HMA mix designs for approval on the QPL is dependent on the contractual basis for acceptance of the HMA mixture, as shown in Table 1.

Table 1

Basis for Contracting Agency Evaluation of HMA Mix Designs for Approval on the QPL		
Contractual Basis for Acceptance of HMA Mixture (see Section 5-04.3(9))	**Basis for Contracting Agency Approval of Mix Design for Placement on QPL**	**Contracting Agency Materials Testing for Evaluation of the Mix Design**
Statistical Evaluation, or Nonstatistical Evaluation	WSDOT Standard Practice QC-8	The Contracting Agency will test the mix design materials for compliance with Sections 9-03.8(2) and 9-03.8(6).
Visual Evaluation	Review of Form 350-042 for compliance with Sections 9-03.8(2) and 9-03.8(6)	The Contracting Agency may elect to test the mix design materials, or evaluate in accordance with WSDOT Standard Practice QC-8, at its sole discretion.

If the Contracting Agency approves the mix design, it will be listed on the QPL for 12 consecutive months. The Contracting Agency may extend the 12 month listing provided the Contractor submits a certification letter to the Qualified Products Engineer verifying that the aggregate source and job mix formula (JMF) gradation, and asphalt binder crude source and formulation have not changed. The Contractor may submit the certification no sooner than one month prior to expiration of the initial 12 month mix design approval. Within 7 calendar days of receipt of the Contractor's certification, the Contracting Agency will update the QPL. The maximum duration for approval of a mix design and listing on the QPL will be 24 months from the date of initial approval or as approved by the Engineer.

5-04.2(1)A Mix Designs Containing RAP and/or RAS

Mix designs are classified by the RAP and/or RAS content as shown in Table 2.

Table 2

Mix Design Classification Based on RAP/RAS Content	
RAP/RAS Classification	**RAP/RAS Content**[1]
Low RAP/No RAS	0% ≤ RAP% ≤ 20% and RAS% = 0%
High RAP/Any RAS	20% < RAP% ≤ Maximum Allowable RAP[2] and/or 0% < RAS% ≤ Maximum Allowable RAS[2]

[1]Percentages in this table are by total weight of HMA

[2]See Table 4 to determine the limits on the maximum amount RAP and/or RAS.

5-04.2(1)A1 Low RAP/No RAS – Mix Design Submittals for Placement on QPL

For Low RAP/No RAS mix designs, comply with the following additional requirements:

1. Develop the mix design without the inclusion of RAP.

2. The asphalt binder grade shall be the grade indicated in the Bid item name or as otherwise required by the Contract.

3. Do not submit samples of RAP with these mix designs.

4. Testing RAP or RAS stockpiles is not required for obtaining approval for placing these mix designs on the QPL.

5-04.2(1)A2 High RAP/Any RAS - Mix Design Submittals for Placement on QPL

For High RAP/Any RAS mix designs, comply with the following additional requirements:

1. For mix designs with any RAS, test the RAS stockpile (and RAP stockpile if any RAP is in the mix design) in accordance with Table 3.

2. For High RAP mix designs with no RAS, test the RAP stockpile in accordance with Table 3.

3. For mix designs with High RAP/Any RAS, construct a single stockpile for RAP and a single stockpile for RAS and isolate (sequester) these stockpiles from further stockpiling before beginning development of the mix design. Test the RAP and RAS during stockpile construction as required by item 1 and 2 above. Use the test data in developing the mix design, and report the test data to the Contracting Agency on WSDOT Form 350-042 as part of the mix design submittal for approval on the QPL. Account for the reduction in asphalt binder contributed from RAS in accordance with AASHTO PP 78. Do not add to these stockpiles after starting the mix design process.

Table 3

Test Frequency of RAP/RAS During RAP/RAS Stockpile Construction For Approving a High RAP/Any RAS Mix Design for Placement on the QPL		
Test Frequency[1]	Test for	Test Method
• 1/1000 tons of RAP (minimum of 10 per mix design) and • 1/100 tons of RAS (minimum of 10 per mix design)	Asphalt Binder Content and Sieve Analysis of Fine and Coarse Aggregate	FOP for AASHTO T 308 and FOP for WAQTC T 27/T 11

[1]"tons", in this table, refers to tons of the reclaimed material

before being incorporated into HMA.

4. Limit the amount of RAP and/or RAS used in a High RAP/Any RAS mix design by the amount of binder contributed by the RAP and/or RAS, in accordance with Table 4.

Table 4

Maximum Amount of RAP and/or RAS in HMA Mixture	
Maximum Amount of Binder Contributed from:	
RAP	RAS
40%[1] minus contribution of binder from RAS	20%[2]

[1] Calculated as the weight of asphalt binder contributed from the RAP as a percentage of the total weight of asphalt binder in the mixture.

[2] Calculated as the weight of asphalt binder contributed from the RAS as a percentage of the total weight of asphalt binder in the mixture.

5. Develop the mix design including RAP, RAS, recycling agent, and new binder.

6. Extract, recover, and test the asphalt residue from the RAP and RAS stockpiles to determine the percent of recycling agent and/or grade of new asphalt binder needed to meet but not exceed the performance grade (PG) of asphalt binder required by the Contract.

   a. Perform the asphalt extraction in accordance with AASHTO T 164 or ASTM D 2172 using reagent grade trichloroethylene.

   b. Perform the asphalt recovery in accordance with AASHTO R 59 or ASTM D 1856.

   c. Test the recovered asphalt residue in accordance with AASHTO R 29 to determine the asphalt binder grade in accordance with Section 9-02.1(4).

   d. After determining the recovered asphalt binder grade, determine the percent of recycling agent and/or grade of new asphalt binder in accordance with ASTM D 4887.

   e. Test the final blend of recycling agent, binder recovered from the RAP and RAS, and new asphalt binder in accordance with AASHTO R 29. The final blended binder shall meet but not exceed the performance grade of asphalt binder required by the Contract and comply with the requirements of Section 9-02.1(4).

7. Include the following test data with the mix design submittal:

   a. All test data from RAP and RAS stockpile construction.

b. All data from testing the recovered and blended asphalt binder.

8. Include representative samples of the following with the mix design submittal:

   a. RAP and RAS.

   b. 100 grams of recovered asphalt residue from the RAP and RAS that are to be used in the HMA production.

5-04.2(1)B Commercial HMA - Mix Design Submittal for Placement on QPL

For HMA used in the Bid item Commercial HMA, in addition to the requirements of 5-04.2(1) identify the following in the submittal:

1. Commercial HMA
2. Class of HMA
3. Performance grade of binder
4. Equivalent Single Axle Load (ESAL)

The Contracting Agency may elect to approve Commercial HMA mix designs without evaluation.

5-04.2(1)C Mix Design Resubmittal for QPL Approval

Develop a new mix design and resubmit for approval on the QPL when any of the following changes occur. When these occur, discontinue using the mix design until after it is reapproved on the QPL.

1. Change in the source of crude petroleum used in the asphalt binder.
2. Changes in the asphalt binder refining process.
3. Changes in additives or modifiers in the asphalt binder.
4. Changes in the anti-strip additive, brand, type or quantity.
5. Changes to the source of material for aggregate.
6. Changes to the job mix formula that exceed the amounts as described in item 2 of Section 9-03.8(7), unless otherwise approved by the Engineer.
7. Changes in the percentage of material from a stockpile, when such changes exceed 5% of the total aggregate weight.

   a. Changes to the percentage of material from a stockpile will be calculated based on the total aggregate weight (not including the weight of RAP) for Low RAP/No RAS mix designs.

b. For High RAP/Any RAS mix designs, changes in the percentage of material from a stockpile will be based on total aggregate weight including the weight of RAP (and/or RAS when included in the mixture).

Prior to making any change in the amount of RAS in an approved mix design, notify the Engineer for determination of whether a new mix design is required, and obtain the Engineer's approval prior to implementing such changes.

5-04.2(2) Mix Design – Obtaining Project Approval

Use only mix designs listed on the Qualified Products List (QPL). Submit WSDOT Form 350-041 to the Engineer to request approval to use a mix design from the QPL. Changes to the job mix formula (JMF) that have been approved on other contracts may be included. The Engineer may reject a request to use a mix design if production of HMA using that mix design on any contract is not in compliance with Section 5-04.3(11)D, E, F, and G for mixture or compaction.

5-04.2(2)A Changes to the Job Mix Formula

The approved mix design obtained from the QPL will be considered the starting job mix formula (JMF) and shall be used as the initial basis for acceptance of HMA mixture, as detailed in Section 5-04.3(9).

During production the Contractor may request to adjust the JMF. Any adjustments to the JMF will require approval of the Engineer and shall be made in accordance with item 2 of Section 9-03.8(7). After approval by the Engineer, such adjusted JMF's shall constitute the basis for acceptance of the HMA mixture.

5-04.2(2)B Using Warm Mix Asphalt Processes

The Contractor may, at the Contractor's discretion, elect to use warm mix asphalt (WMA) processes for producing HMA. WMA processes include organic additives, chemical additives, and foaming. The use of WMA is subject to the following:

- Do not use WMA processes in the production of High RAP/Any RAS mixtures.
- Before using WMA processes, obtain the Engineer's approval using WSDOT Form 350-076 to describe the proposed WMA process.

5-04.3 Construction Requirements

5-04.3(1) Weather Limitations

Do not place HMA for wearing course on any Traveled Way beginning October 1st through March 31st of the following year, without written concurrence from the Engineer.

Do not place HMA on any wet surface, or when the average surface temperatures are less than those specified in Table 5, or when weather conditions otherwise prevent the proper handling or finishing of the HMA.

Table 5

Minimum Surface Temperature for Paving		
Compacted Thickness (Feet)	**Wearing Course**	**Other Courses**

Less than 0.10	55°F	45°F
0.10 to 0.20	45°F	35°F
More than 0.20	35°F	35°F

5-04.3(2) Paving Under Traffic

These requirements apply when the Roadway being paved is open to traffic.

In hot weather, the Engineer may require the application of water to the pavement to accelerate the finish rolling of the pavement and to shorten the time required before reopening to traffic.

During paving operations, maintain temporary pavement markings throughout the project. Install temporary pavement markings on the Roadway prior to opening to traffic. Temporary pavement markings shall comply with Section 8-23.

5-04.3(3) Equipment

5-04.3(3)A Mixing Plant

Equip mixing plants as follows.

1. **Use tanks for storage and preparation of asphalt binder which:**

   - Heat the contents by means that do not allow flame to contact the contents or the tank, such as by steam or electricity.
   - Heat and hold contents at the required temperatures.
   - Continuously circulate contents to provide uniform temperature and consistency during the operating period.
   - Provide an asphalt binder sampling valve, in either the storage tank or the supply line to the mixer.

2. **Provide thermometric equipment:**

   - In the asphalt binder feed line near the charging valve at the mixer unit, capable of detecting temperature ranges expected in the HMA and in a location convenient and safe for access by Inspectors.
   - At the discharge chute of the drier to automatically register or indicate the temperature of the heated aggregates, and situated in full view of the plant operator.

3. **When heating asphalt binder:**

   - Do not exceed the maximum temperature of the asphalt binder recommended by the asphalt binder supplier.
   - Avoid local variations in heating.
   - Provide a continuous supply of asphalt binder to the mixer at a uniform average temperature with no individual variations exceeding 25°F.

4. **Provide a mechanical sampler for sampling mineral materials that:**

    - Meets the crushing or screening requirements of Section 1-05.6.

5. **Provide HMA sampling equipment that complies with WSDOT SOP T-168.**

    - Use a mechanical sampling device installed between the discharge of the silo and the truck transport, approved by the Engineer, or

    - Platforms or devices to enable sampling from the truck transport without entering the truck transport for sampling HMA.

6. **Provide for setup and operation of the Contracting Agency's field testing:**

    - As required in Section 3-01.2(2).

7. **Provide screens or a lump breaker:**

    - When using any RAP or any RAS, to eliminate oversize RAP or RAS particles from entering the pug mill or drum mixer.

5-04.3(3)B Hauling Equipment

Provide HMA hauling equipment with tight, clean, smooth metal beds and a cover of canvas or other suitable material of sufficient size to protect the HMA from adverse weather. Securely attach the cover to protect the HMA whenever the weather conditions during the work shift include, or are forecast to include, precipitation or an air temperature less than 45°F.

Prevent HMA from adhering to the hauling equipment. Spray metal beds with an environmentally benign release agent. Drain excess release agent prior to filling hauling equipment with HMA. Do not use petroleum derivatives or other coating material that contaminate or alter the characteristics of the HMA. For hopper trucks, operate the conveyer during the process of applying the release agent.

5-04.3(3)C Pavers

Use self-contained, power-propelled pavers provided with an internally heated vibratory screed that is capable of spreading and finishing courses of HMA in lane widths required by the paving section shown in the Plans.

When requested by the Engineer, provide written certification that the paver is equipped with the most current equipment available from the manufacturer for the prevention of segregation of the coarse aggregate particles. The certification shall list the make, model, and year of the paver and any equipment that has been retrofitted to the paver.

Operate the screed in accordance with the manufacturer's recommendations and in a manner to produce a finished surface of the required evenness and texture without tearing, shoving, segregating, or gouging the mixture. Provide

a copy of the manufacturer's recommendations upon request by the Contracting Agency. Extensions to the screed will be allowed provided they produce the same results, including ride, density, and surface texture as obtained by the primary screed. In the Travelled Way do not use extensions without both augers and an internally heated vibratory screed.

Equip the paver with automatic screed controls and sensors for either or both sides of the paver. The controls shall be capable of sensing grade from an outside reference line, sensing the transverse slope of the screed, and providing automatic signals that operate the screed to maintain the desired grade and transverse slope. Construct the sensor so it will operate from a reference line or a mat referencing device. The transverse slope controller shall be capable of maintaining the screed at the desired slope within plus or minus 0.1 percent.

Equip the paver with automatic feeder controls, properly adjusted to maintain a uniform depth of material ahead of the screed.

Manual operation of the screed is permitted in the construction of irregularly shaped and minor areas. These areas include, but are not limited to, gore areas, road approaches, tapers and left-turn channelizations.

When specified in the Contract, provide reference lines for vertical control. Place reference lines on both outer edges of the Traveled Way of each Roadway. Horizontal control utilizing the reference line is permitted. Automatically control the grade and slope of intermediate lanes by means of reference lines or a mat referencing device and a slope control device. When the finish of the grade prepared for paving is superior to the established tolerances and when, in the opinion of the Engineer, further improvement to the line, grade, cross-section, and smoothness can best be achieved without the use of the reference line, a mat referencing device may be substituted for the reference line. Substitution of the device will be subject to the continued approval of the Engineer. A joint matcher may be used subject to the approval of the Engineer. The reference line may be removed after completion of the first course of HMA when approved by the Engineer. Whenever the Engineer determines that any of these methods are failing to provide the necessary vertical control, the reference lines will be reinstalled by the Contractor.

Furnish and install all pins, brackets, tensioning devices, wire, and accessories necessary for satisfactory operation of the automatic control equipment.

If the paving machine in use is not providing the required finish, the Engineer may suspend Work as allowed by Section 1-08.6.

5-04.3(3)D Material Transfer Device or Material Transfer Vehicle

Use a material transfer device (MTD) or material transfer vehicle (MTV) to deliver the HMA from the hauling equipment to the paving machine for any lift in (or partially in) the top 0.30 feet of the pavement section used in traffic lanes. However, an MTD/V is not required for HMA placed in irregularly shaped and minor areas such as tapers and turn lanes, or for HMA mixture that is accepted by Visual Evaluation. At the Contractor's request the Engineer may approve paving without an MTD/V; the Engineer will determine if an equitable adjustment in cost or time is due. If a windrow elevator is used, the Engineer may limit the length of the windrow in urban areas or through intersections.

To be approved for use, an MTV:

1. Shall be a self-propelled vehicle, separate from the hauling vehicle or paver.

2. Shall not connected to the hauling vehicle or paver.

3. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.

4. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.

5. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

To be approved for use, an MTD:

1. Shall be positively connected to the paver.

2. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.

3. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.

4. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

5-04.3(3)E Rollers

Operate rollers in accordance with the manufacturer's recommendations. When requested by the Engineer, provide a Type 1 Working Drawing of the manufacturer's recommendation for the use of any roller planned for use on the project. Do not use rollers that crush aggregate, produce pickup or washboard, unevenly compact the surface, displace the mix, or produce other undesirable results.

5-04.3(4) Preparation of Existing Paved Surfaces

Before constructing HMA on an existing paved surface, the entire surface of the pavement shall be clean. Entirely remove all fatty asphalt patches, grease drippings, and other deleterious substances from the existing pavement to the satisfaction of the Engineer. Thoroughly clean all pavements or bituminous surfaces of dust, soil, pavement grindings, and other foreign matter. Thoroughly remove any cleaning or solvent type liquids used to clean equipment spilled on the pavement before paving proceeds. Fill all holes and small depressions with an appropriate class of HMA. Level and thoroughly compact the surface of the patched area.

Apply a uniform coat of asphalt (tack coat) to all paved surfaces on which any course of HMA is to be placed or abutted. Apply tack coat to cover the cleaned existing pavement with a thin film of residual asphalt free of streaks and bare spots. Apply a heavy application of tack coat to all joints. For Roadways open to traffic, limit the application of tack coat to surfaces that will be paved during the same

working shift. Equip the spreading equipment with a thermometer to indicate the temperature of the tack coat material.

Do not operate equipment on tacked surfaces until the tack has broken and cured. Repair tack coat damaged by the Contractor's operation, prior to placement of the HMA.

Unless otherwise approved by the Engineer, use CSS-1, CSS-1h, or Performance Graded (PG) asphalt for tack coat. The CSS-1 and CSS-1h emulsified asphalt may be diluted with water at a rate not to exceed one part water to one part emulsified asphalt. Do not allow the tack coat material to exceed the maximum temperature recommended by the asphalt supplier.

When shown in the Plans, prelevel uneven or broken surfaces over which HMA is to be placed by using an asphalt paver, a motor patrol grader, or by hand raking, as approved by the Engineer.

5-04.3(4)A Crack Sealing

5-04.3(4)A1 General

When the Proposal includes a pay item for crack sealing, seal all cracks ¼ inch in width and greater.

Cleaning: Ensure that cracks are thoroughly clean, dry and free of all loose and foreign material when filling with crack sealant material. Use a hot compressed air lance to dry and warm the pavement surfaces within the crack immediately prior to filling a crack with the sealant material. Do not overheat pavement. Do not use direct flame dryers. Routing cracks is not required.

Sand Slurry: For cracks that are to be filled with sand slurry, thoroughly mix the components and pour the mixture into the cracks until full. Add additional CSS-1 emulsified asphalt to the sand slurry as needed for workability to ensure the mixture will completely fill the crack. Strike off the sand slurry flush with the existing pavement surface and allow the mixture to cure. Top off cracks that were not completely filled with additional sand slurry. Do not place the HMA overlay until the slurry has fully cured.

Hot Poured Sealant: For cracks that are to be filled with hot poured sealant, apply the material in accordance with these requirements and the manufacturer's recommendations. Furnish a Type 1 Working Drawing of the manufacturer's recommendations to the Engineer prior to the start of work, including the manufacturer's recommended heating time and temperatures, allowable storage time and temperatures after initial heating, allowable reheating criteria, and application temperature range. Confine hot poured sealant material within the crack. Clean any overflow of sealant from the pavement surface. If, in the opinion of the Engineer, the Contractor's method of sealing the cracks with hot poured sealant results in an excessive amount of material on the pavement surface, stop and correct the operation to eliminate the excess material.

5-04.3(4)A2 Crack Sealing Areas Prior to Paving

In areas where HMA will be placed, use sand slurry to fill the cracks.

5-04.3(4)A3 Crack Sealing Areas Not to be Paved
In areas where HMA will not be placed, fill the cracks as follows:

1. Cracks ¼ inch to 1 inch in width - fill with hot poured sealant.

2. Cracks greater than 1 inch in width – fill with sand slurry.

5-04.3(4)B Soil Residual Herbicide
Where shown in the Plans, apply one application of an approved soil residual herbicide. Comply with Section 8-02.3(3)B. Complete paving within 48 hours of applying the herbicide.

Use herbicide registered with the Washington State Department of Agriculture for use under pavement. Before use, obtain the Engineer's approval of the herbicide and the proposed rate of application. Include the following information in the request for approval of the material:

1. Brand Name of the Material,

2. Manufacturer,

3. Environmental Protection Agency (EPA) Registration Number,

4. Material Safety Data Sheet, and

5. Proposed Rate of Application.

5-04.3(4)C Pavement Repair
Excavate pavement repair areas and backfill these with HMA in accordance with the details shown in the Plans and as staked. Conduct the excavation operations in a manner that will protect the pavement that is to remain. Repair pavement not designated to be removed that is damaged as a result of the Contractor's operations to the satisfaction of the Engineer at no cost to the Contracting Agency. Excavate only within one lane at a time unless approved otherwise by the Engineer. Do not excavate more area than can be completely backfilled and compacted during the same shift.

Unless otherwise shown in the Plans or determined by the Engineer, excavate to a depth of 1.0 feet. The Engineer will make the final determination of the excavation depth required.

The minimum width of any pavement repair area shall be 40 inches unless shown otherwise in the Plans. Before any excavation, sawcut the perimeter of the pavement area to be removed unless the pavement in the pavement repair area is to be removed by a pavement grinder.

Excavated materials shall be the property of the Contractor and shall be disposed of in a Contractor-provided site off the Right of Way or used in accordance with Sections 2-02.3(3) or 9-03.21.

Apply a heavy application of tack coat to all surfaces of existing pavement in the pavement repair area, in accordance with Section 5-04.3(4).

Place the HMA backfill in lifts not to exceed 0.35-foot compacted depth. Thoroughly compact each lift by a mechanical tamper or a roller.

5-04.3(5) Producing/Stockpiling Aggregates, RAP, & RAS

Produce aggregate in compliance with Section 3-01. Comply with Section 3-02 for preparing stockpile sites, stockpiling, and removing from stockpile each of the following: aggregates, RAP, and RAS. Provide sufficient storage space for each size of aggregate, RAP and RAS. Fine aggregate or RAP may be uniformly blended with the RAS as a method of preventing the agglomeration of RAS particles. Remove the aggregates, RAP and RAS from stockpile(s) in a manner that ensures minimal segregation when being moved to the HMA plant for processing into the final mixture. Keep different aggregate sizes separated until they have been delivered to the HMA plant.

5-04.3(5)A Stockpiling RAP or RAS for High RAP/Any RAS Mixes

Do not place any RAP or RAS into a stockpile which has been sequestered for a High RAP/Any RAS mix design. Do not incorporate any RAP or RAS into a High RAP/Any RAS mixture from any source other than the stockpile which was sequestered for approval of that particular High RAP/Any RAS mix design.

RAP that is used in a Low RAP/No RAS mix is not required to come from a sequestered stockpile.

5-04.3(6) Mixing

The asphalt supplier shall introduce anti-stripping additive, in the amount designated on the QPL for the mix design, into the asphalt binder prior to shipment to the asphalt mixing plant.

Anti-strip is not required for temporary work that will be removed prior to Physical Completion.

Use asphalt binder of the grade, and from the supplier, in the approved mix design.

Prior to introducing reclaimed materials into the asphalt plant, remove wire, nails, and other foreign material. Discontinue use of the reclaimed material if the Engineer, in their sole discretion, determines the wire, nails, or other foreign material to be excessive.

Size RAP and RAS prior to entering the mixer to provide uniform and thoroughly mixed HMA. If there is evidence of the RAP or RAS not breaking down during the heating and mixing of the HMA, immediately suspend the use of the RAP or RAS until changes have been approved by the Engineer.

After the required amount of mineral materials, RAP, RAS, new asphalt binder and recycling agent have been introduced into the mixer, mix the HMA until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials, RAP and RAS is ensured.

Upon discharge from the mixer, ensure that the temperature of the HMA does not exceed the optimum mixing temperature shown on the approved Mix Design Report by more than 25°F, or as approved by the Engineer. When a WMA additive is included in the manufacture of HMA, do not heat the WMA

additive (at any stage of production including in binder storage tanks) to a temperature higher than the maximum recommended by the manufacturer of the WMA additive.

A maximum water content of 2 percent in the mix, at discharge, will be allowed providing the water causes no problems with handling, stripping, or flushing. If the water in the HMA causes any of these problems, reduce the moisture content.

During the daily operation, HMA may be temporarily held in approved storage facilities. Do not incorporate HMA into the Work that has been held for more than 24 hours after mixing. Provide an easily readable, low bin-level indicator on the storage facility that indicates the amount of material in storage. Waste the HMA in storage when the top level of HMA drops below the top of the cone of the storage facility, except as the storage facility is being emptied at the end of the working shift. Dispose of rejected or waste HMA at no expense to the Contracting Agency.

5-04.3(7) Spreading and Finishing

Do not exceed the maximum nominal compacted depth of any layer in any course, as shown in Table 6, unless approved by the Engineer:

Table 6

Maximum Nominal Compacted Depth of Any Layer		
HMA Class	**Wearing Course**	**Other than Wearing Course**
1 inch	0.35 feet	0.35 feet
¾ and ½ inch	0.30 feet	0.35 feet
⅜ inch	0.15 feet	0.15 feet

Use HMA pavers complying with Section 5-04.3(3) to distribute the mix. On areas where irregularities or unavoidable obstacles make the use of mechanical spreading and finishing equipment impractical, the paving may be done with other equipment or by hand.

When more than one JMF is being utilized to produce HMA, place the material produced for each JMF with separate spreading and compacting equipment. Do not intermingle HMA produced from more than one JMF. Each strip of HMA placed during a work shift shall conform to a single JMF established for the class of HMA specified unless there is a need to make an adjustment in the JMF.

5-04.3(8) Aggregate Acceptance Prior to Incorporation in HMA

Sample aggregate for meeting the requirements of Section 3-04 prior to being incorporated into HMA. (The acceptance data generated for the Section 3-04 acceptance analysis will not be commingled with the acceptance data generated for the Section 5-04.3(9) acceptance analysis.) Aggregate acceptance samples shall be taken as described in Section 3-04. Aggregate acceptance testing will be performed by the Contracting Agency. Aggregate contributed from RAP and/or RAS will not be evaluated under Section 3-04.

For aggregate that will be used in HMA mixture which will be accepted by either Statistical or Nonstatistical Evaluation, the Contracting Agency's acceptance of the aggregate will be based on:

1. Samples taken prior to mixing with asphalt binder, RAP, or RAS;

2. Testing for the materials properties of fracture, uncompacted void content, and sand equivalent;

3. Evaluation by the Contracting Agency in accordance with Section 3-04, including price adjustments as described therein.

For aggregate that will be used in HMA which will be accepted by Visual Evaluation, evaluation in accordance with items 1, 2, and 3 above is at the discretion of the Engineer.

5-04.3(9) HMA Mixture Acceptance

The Contracting Agency will evaluate HMA mixture for acceptance by one of three methods as determined from the criteria in Table 7.

Table 7

Basis of Acceptance for HMA Mixture			
	Visual Evaluation	**Nonstatistical Evaluation**	**Statistical Evaluation**
Criteria for Selecting the Evaluation Method	• Commercial HMA placed at any location • Any HMA placed in: o sidewalks o road approaches o ditches o slopes o paths o trails o gores o prelevel o temporary pavement[1] o pavement repair • Other nonstructural applications of HMA as approved by the Engineer	• All HMA mixture of the same class and PG binder grade with a Proposal quantity less than 4,000 tons. (Exclude the tonnage of HMA mixture accepted by Visual Evaluation.)	• All HMA mixture other than that accepted by Visual or Nonstatistical Evaluation

[1] Temporary pavement is HMA that will be removed before Physical Completion of the Contract.

5-04.3(9)A Mixture Acceptance – Test Section

This Section applies to HMA mixture accepted by Statistical Evaluation and mixture accepted by Nonstatistical Evaluation. A test section is not allowed for HMA accepted by Visual Evaluation.

The purpose of a test section is to determine, at the beginning of paving, whether or not the Contractor's mix design and production processes will produce HMA meeting the Contract requirements related to mixture.

Use Table 8 to determine when a test section is required, optional, or not allowed, and to determine when test sections may end for an individual mix design. Each mix design will be evaluated independently for the test section requirements.

Construct HMA mixture test sections at the beginning of paving, using at least 600 tons and a maximum of 1,000 tons or as approved by the Engineer. Each test section shall be constructed in one continuous operation. Each test section shall be considered a lot. The mixture in each test section will be evaluated based on the criteria in Table 9 to determine if test sections for that mix design may stop.

If more than one test section is required, each test section shall be separately by the criteria in table 8 and 9.

Table 8

Criteria for Conducting and Evaluating HMA Mix Texture Sections (For HMA Mixture Accepted by Statistical or Nonstatistical Evaluation)		
	High RAP/Any RAS	**Low RAP/No RAS**
Is Mixture Test Section Optional or Mandatory?	Mandatory[1]	At Contractor's Option[3]
Waiting period after paving the test section.	4 calendar days[2]	4 calendar days[2]
What Must Happen to Stop Performing Test Sections?	Meet "Results Required to Stop Performing Test Sections" in Table 9 for High RAP/Any RAS.	Provide samples and respond to WSDOT test results required by Table 9 for Low RAP/No RAS.

[1]If a mix design has produced an acceptable test section on a previous contract (paved in the same calendar year, from the same plant, using the same JMF) the test section may be waived if approved by the Engineer.

[2]This is to provide time needed by the Contracting Agency to complete testing and the Contractor to adjust the mixture in response to those test results. Paving may resume when this is done.

[3]For HMA with Low RAP/No RAS, which is accepted by Nonstatistical Evaluation, a test section is not allowed.

Table 9

Results Required to Stop Performing HMA Mixture Test Sections[1] (For HMA Mixture Accepted by Statistical or Nonstatistical Evaluation)		
Test Property	**Type of HMA**	
	High RAP/Any RAS	**Low RAP/No RAS**
Gradation	Minimum PF_i of 0.95 based on the criteria in Section 5-	None[4]

	04.3(9)B4[2]	
Asphalt Binder	Minimum PF_i of 0.95 based on the criteria in Section 5-04.3(9)B4[2]	None[4]
V_a	Minimum PF_i of 0.95 based on the criteria in Section 5-04.3(9)B4[2]	None[4]
Hamburg Wheel Track Indirect Tensile Strength	Meet requirements of Section 9-03.8(2).[3]	These tests will not be done as part of Test Section.
Sand Equivalent Uncompacted Void Content Fracture	Meet requirements of Section 9-03.8(2).[3]	None[3]

[1]In addition to the requirements of this table, acceptance of the HMA mixture used in each test section is subject to the acceptance criteria and price adjustments for Statistical Evaluation or Non-statistical Evaluation (see Table 7).

[2]Divide the test section lot into three sublots, approximately equal in size. Take one sample from each sublot, and test each sample for all of the properties in the first column.

[3]Take one sample for each test section lot. Test the sample for all of the properties in the first column.

[4]Divide the test section lot into three sublots, approximately equal in size. Take one sample from each sublot, and test each sample for all of the properties in the first column. There are no criteria for discontinuing test sections for these mixes; however, the contractor must comply with Section 5-04.3(11)F before resuming paving.

5-04.3(9)B Mixture Acceptance – Statistical Evaluation

5-04.3(9)B1 Mixture Statistical Evaluation – Lots and Sublots

HMA mixture which is accepted by Statistical Evaluation will be evaluated by the Contracting Agency dividing that HMA tonnage into mixture lots, and each mixture lot will be evaluated using stratified random sampling by the Contracting Agency sub-dividing each mixture lot into mixture sublots. All mixture in a mixture lot shall be of the same mix design. The mixture sublots will be numbered in the order in which the mixture (of a particular mix design) is paved.

Each mixture lot comprises a maximum of 15 mixture sublots, except:

- The final mixture lot of each mix design on the Contract will comprise a maximum of 25 sublots.
- A mixture lot for a test section, which will consist of the three sublots and corresponding test results used in evaluating the test section for gradation, asphalt binder, and Va.

Each mixture sublot shall be approximately uniform in size with the maximum mixture sublot size as specified in Table 10. The quantity of material represented by the final mixture sublot of the project, for each mix design on the project, may be increased to a maximum of two times the mixture sublot quantity calculated. Should a lot accepted by

statistical evaluation contain fewer than three sublots, the HMA will be accepted in accordance with nonstatistical evaluation.

Table 10

Maximum HMA Mixture Sublot Size For HMA Accepted by Statistical Evaluation	
HMA Original Plan Quantity (tons)[1]	**Maximum Sublot Size (tons)[2]**
< 20,000	1,000
20,000 to 30,000	1,500
>30,000	2,000

[1] "Plan quantity" means the plan quantity of all HMA of the same class and binder grade which is accepted by Statistical Evaluation.

[2] The maximum sublot size for each combination of HMA class and binder grade shall be calculated separately.

- For a mixture lot in progress with a mixture CPF less than 0.75, a new mixture lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced. See also Section 5-04.3(11)F.

- If, before completing a mixture lot, the Contractor requests a change to the JMF which is approved by the Engineer, the mixture produced in that lot after the approved change will be evaluated on the basis of the changed JMF, and the mixture produced in that lot before the approved change will be evaluated on the basis of the unchanged JMF; however, the mixture before and after the change will be evaluated in the same lot. Acceptance of subsequent mixture lots will be evaluated on the basis of the changed JMF.

5-04.3(9)B2 Mixture Statistical Evaluation – Sampling
Comply with Section 1-06.2(1).

Samples of HMA mixture which is accepted by Statistical Evaluation will be randomly selected from within each sublot, with one sample per sublot. The Engineer will determine the random sample location using WSDOT Test Method T 716. The Contractor shall obtain the sample when ordered by the Engineer. The Contractor shall sample the HMA mixture in the presence of the Engineer and in accordance with FOP for WAQTC T 168.

5-04.3(9)B3 Mixture Statistical Evaluation – Acceptance Testing
Comply with Section 1-06.2(1).

The Contracting Agency will test the mixture sample from each sublot (including sublots in a test section) for the properties shown in Table 11.

Table 11

Testing Required for each HMA Mixture Sublot

Test	Procedure	Performed by
V_a	WSDOT SOP 731	Engineer
Asphalt Binder Content	FOP for AASHTO T 308	Engineer
Gradation: Percent Passing 1½″, 1″, ¾″, ½″, ⅜″, No. 4, No. 8, No. 200	FOP for WAQTC T 27/T 11	Engineer

The mixture samples and tests taken for the purpose of determining acceptance of the test section (as described in Section 5-04.3(9)A) shall also be used as the test results for acceptance of the mixture described in 5-04.3(9)B3, 5-04.3(9)B4, 5-04.3(9)B5, and 5-04.3(9)B6.

5-04.3(9)B4 Mixture Statistical Evaluation – Pay Factors
Comply with Section 1-06.2(2).

The Contracting Agency will determine a pay factor (PF_i) for each of the properties in Table 11, for each mixture lot, using the quality level analysis in Section 1-06.2(2)D. For Gradation, a pay factor will be calculated for each of the sieve sizes listed in Table 11 which is equal to or smaller than the maximum allowable aggregate size (100 percent passing sieve) of the HMA mixture. The USL and LSL shall be calculated using the Job Mix Formula Tolerances (for Statistical Evaluation) in Section 9-03.8(7).

If a constituent is not measured in accordance with these Specifications, its individual pay factor will be considered 1.00 in calculating the Composite Pay Factor (CPF).

5-04.3(9)B5 Mixture Statistical Evaluation – Composite Pay Factors (CPF)
Comply with Section 1-06.2(2).

In accordance with Section 1-06.2(2)D4, the Contracting Agency will determine a Composite Pay Factor (CPF) for each mixture lot from the pay factors calculated in Section 5-04.3(9)B4, using the price adjustment factors in Table 12. Unless otherwise specified, the maximum CPF for HMA mixture shall be 1.05.

Table 12

HMA Mixture Price Adjustment Factors	
Constituent	**Factor "f"**
All aggregate passing: 1½″, 1″, ¾″, ½″, ⅜″ and No.4 sieves	2
All aggregate passing No. 8 sieve	15
All aggregate passing No. 200 sieve	20
Asphalt binder	40
Air Voids (V_a)	20

5-04.3(9)B6 Mixture Statistical Evaluation – Price Adjustments
For each HMA mixture lot, a Job Mix Compliance Price Adjustment will be determined and applied, as follows:

JMCPA = [0.60 x (CPF – 1.00)] x Q x UP

Where

JMCPA = Job Mix Compliance Price Adjustment for a given lot of mixture ($)
CPF = Composite Pay factor for a given lot of mixture (maximum is 1.05)
Q = Quantity in a given lot of mixture (tons)
UP = Unit price of the HMA in a given lot of mixture ($/ton)

5-04.3(9)B7 Mixture Statistical Evaluation – Retests

The Contractor may request that a mixture sublot be retested. To request a retest, submit a written request to the Contracting Agency within 7 calendar days after the specific test results have been posted to the website or emailed to the Contractor, whichever occurs first. The Contracting Agency will send a split of the original acceptance sample for testing by the Contracting Agency to either the Region Materials Laboratory or the State Materials Laboratory as determined by the Engineer. The Contracting Agency will not test the split of the sample with the same equipment or by the same tester that ran the original acceptance test. The sample will be tested for a complete gradation analysis, asphalt binder content, and V_a, and the results of the retest will be used for the acceptance of the HMA mixture in place of the original mixture sublot sample test results. The cost of testing will be deducted from any monies due or that may come due the Contractor under the Contract at the rate of $250 per sample.

5-04.3(9)C Mixture Acceptance – Nonstatistical Evaluation

5-04.3(9)C1 Mixture Nonstatistical Evaluation – Lots, Sublots, Sampling, Test Section, Testing, Retests

For HMA mixture accepted by Nonstatistical Evaluation, comply with the requirements in Table 13:

Table 13

Nonstatistical Evaluation Lots, Sublots, Sampling, Test Section, Testing, Retests		
Comply with the Specifications Below		Comply with the Requirements of the Section for:
Test Section	Section 5-04.3(9)A	Nonstatistical Evaluation
Lots and Sublots	Section 5-04.3(9)B1	Statistical Evaluation
Sampling	Section 5-04.3(9)B2	Statistical Evaluation
Acceptance Tests	Section 5-04.3(9)B3	Statistical Evaluation
Retests	Section 5-04.3(9)B7	Statistical Evaluation

5-04.3(9)C2 Mixture Nonstatistical Evaluation - Acceptance

Each mixture lot of HMA produced under Nonstatistical Evaluation, for which all sublot acceptance test results (required by Table 13) fall within the Job Mix Formula Tolerances for Nonstatistical Evaluation in

Section 9-03.8(7), will be accepted at the unit Contract price with no further evaluation.

5-04.3(9)C3 Mixture Nonstatistical Evaluation – Out of Tolerance Procedures

Each mixture lot of HMA produced under Nonstatistical Evaluation, for which any sublot acceptance test result (required by Table 13) falls outside of the Job Mix Formula Tolerances for Nonstatistical Evaluation in Section 9-03.8(7), shall be evaluated in accordance with Section 1-06.2 and Table 14 to determine a Job Mix Compliance Price Adjustment.

Table 14

Nonstatistical Evaluation – Out of Tolerance Procedures	
Comply with the Following[1]	
Pay Factors[2]	Section 5-04.3(9)B4
Composite Pay Factors[3]	Section 5-04.3(9)B5
Price Adjustments	Section 5-04.3(9)B6

[1]When less than three mixture sublots exist, backup samples of the existing mixture sublots shall be tested to provide a minimum of three sets of results for evaluation. If enough backup samples are not available, the Contracting Agency will select core sample locations from the Roadway in accordance with WSDOT Test Method T 716, take cores from the roadway in accordance with WSDOT SOP 734, and test the cores in accordance with WSDOT SOP 737.

[2]The Nonstatistical Evaluation tolerance limits in Section 9-03.8(7) will be used in the calculation of the PF_i.

[3]The maximum CPF shall be 1.00.

5-04.3(9)D Mixture Acceptance – Visual Evaluation

Visual Evaluation of HMA mixture will be by visual inspection by the Engineer or, in the sole discretion of the Engineer, the Engineer may sample and test the mixture.

5-04.3(9)D1 Mixture Visual Evaluation – Lots, Sampling, Testing, Price Adjustments

HMA mixture accepted by Visual Evaluation will not be broken into lots unless the Engineer determines that testing is required. When that occurs, the Engineer will identify the limits of the questionable HMA mixture, and that questionable HMA mixture shall constitute a lot. Then, the Contractor will take samples from the truck, or the Engineer will take core samples from the roadway at a minimum of three random locations from within the lot, selected in accordance with WSDOT Test Method T 716, taken from the roadway in accordance with WSDOT SOP 734, and tested in accordance with WSDOT SOP 737. The Engineer will test one of the samples for all constituents in Section 5-04.3(9)B3. If all constituents from that test fall within the Job Mix Formula Tolerances (for Visual Evaluation) in Section 9-03.8(7), the lot will be accepted at the unit Contract price with no further evaluation.

When one or more constituents fall outside those tolerance limits, the other samples will be tested for all constituents in Section 5-04.3(9)B3, and a Job Mix Compliance Price Adjustment will be calculated in accordance with Table 15.

Table 15

Visual Evaluation – Out of Tolerance Procedures	
Comply with the Following	
Pay Factors[1]	Section 5-04.3(9)B4
Composite Pay Factors[2]	Section 5-04.3(9)B5
Price Adjustments	Section 5-04.3(9)B6

[1]The Visual Evaluation tolerance limits in Section 9-03.8(7) will be used in the calculation of the PF_i.
[2]The maximum CPF shall be 1.00.

5-04.3(9)E Mixture Acceptance – Notification of Acceptance Test Results

The results of all mixture acceptance testing and the Composite Pay Factor (CPF) of the lot after three sublots have been tested will be available to the Contractor through The Contracting Agency's website.

The Contracting Agency will endeavor to provide written notification (via email to the Contractor's designee) of acceptance test results through its web-based materials testing system Statistical Analysis of Materials (SAM) within 24 hours of the sample being made available to the Contracting Agency. However, the Contractor agrees:

1. Quality control, defined as the system used by the Contractor to monitor, assess, and adjust its production processes to ensure that the final HMA mixture will meet the specified level of quality, is the sole responsibility of the Contractor.

2. The Contractor has no right to rely on any testing performed by the Contracting Agency, nor does the Contractor have any right to rely on timely notification by the Contracting Agency of the Contracting Agency's test results (or statistical analysis thereof), for any part of quality control and/or for making changes or correction to any aspect of the HMA mixture.

3. The Contractor shall make no claim for untimely notification by the Contracting Agency of the Contracting Agency's test results or statistical analysis.

5-04.3(10) HMA Compaction Acceptance

For all HMA, the Contractor shall comply with the General Compaction Requirements in Section 5-04.3(10)A. The Contracting Agency will evaluate all HMA for compaction compliance with one of the following - Statistical Evaluation, Visual Evaluation, or Test Point Evaluation - determined by the criteria in Table 16:

Table 16

Criteria for Determining Method of Evaluation for HMA Compaction[1]		
Statistical Evaluation	**Visual Evaluation of**	**Test Point Evaluation**

of HMA Compaction is Required For:	HMA Compaction is Required For:	of HMA Compaction is Required For:
• Any HMA for which the specified course thickness is greater than 0.10 feet, and the HMA is in: o traffic lanes, including but not limited to: • ramp lanes • truck climbing lanes • weaving lanes • speed change lanes	• "HMA for Preleveling…" • "HMA for Pavement Repair…"	• Any HMA not meeting the criteria for Statistical Evaluation or Visual Evaluation

[1]This table applies to all HMA, and shall be the sole basis for determining the acceptance method for compaction.

The Contracting Agency may, at its sole discretion, evaluate any HMA for compliance with the Cyclic Density requirements of Section 5-04.3(10)B.

5-04.3(10)A HMA Compaction – General Compaction Requirements

Immediately after the HMA has been spread and struck off, and after surface irregularities have been adjusted, thoroughly and uniformly compact the mix. The completed course shall be free from ridges, ruts, humps, depressions, objectionable marks, and irregularities and shall conform to the line, grade, and cross-section shown in the Plans. If necessary, alter the JMF in accordance with Section 9-03.8(7) to achieve desired results.

Compact the mix when it is in the proper condition so that no undue displacement, cracking, or shoving occurs. Compact areas inaccessible to large compaction equipment by mechanical or hand tampers. Remove HMA that becomes loose, broken, contaminated, shows an excess or deficiency of asphalt, or is in any way defective. Replace the removed material with new HMA, and compact it immediately to conform to the surrounding area.

The type of rollers to be used and their relative position in the compaction sequence shall generally be the Contractor's option, provided the specified densities are attained. An exception shall be that pneumatic tired rollers shall be used for compaction of the wearing course beginning October 1st of any year through March 31st of the following year. Coverage with a steel wheel roller may precede pneumatic tired rolling. Unless otherwise approved by the Engineer, operate rollers in the static mode when the internal temperature of the mix is less than 175°F. Regardless of mix temperature, do not operate a roller in a mode that results in checking or cracking of the mat.

On bridge decks and on the five feet of roadway approach immediately adjacent to the end of bridge/back of pavement seat, operate rollers in static mode only.

5-04.3(10)B HMA Compaction – Cyclic Density

Low cyclic density areas are defined as spots or streaks in the pavement that are less than 90 percent of the theoretical maximum density. At the Engineer's discretion, the Engineer may evaluate the HMA pavement for low cyclic density, and when doing so will follow WSDOT SOP 733. A $500 Cyclic Density Price Adjustment will be assessed for any 500-foot section with two or more density readings below 90 percent of the theoretical maximum density.

5-04.3(10)C HMA Compaction Acceptance – Statistical Evaluation

HMA compaction which is accepted by Statistical Evaluation will be based on acceptance testing performed by the Contracting Agency, and statistical analysis of those acceptance tests results. This will result in a Compaction Price Adjustment.

5-04.3(10)C1 HMA Compaction Statistical Evaluation – Lots and Sublots

HMA compaction which is accepted by Statistical Evaluation will be evaluated by the Contracting Agency dividing the project into compaction lots, and each compaction lot will be evaluated using stratified random sampling by the Contracting Agency sub-dividing each compaction lot into compaction sublots. All mixture in any individual compaction lot shall be of the same mix design. The compaction sublots will be numbered in the order in which the mixture (of a particular mix design) is paved.

Each compaction lot comprises a maximum of 15 compaction sublots, except for the final compaction lot of each mix design on the Contract, which comprises a maximum of 25 sublots.

Each compaction sublot shall be uniform in size as shown in Table 17, except that the last compaction sublot of each day may be increased to a maximum of two times the compaction sublot quantity calculated. Minor variations in the size of any sublot shall not be cause to invalidate the associated test result.

Table 17

HMA Compaction Sublot Size	
HMA Original Plan Quantity (tons)[1]	Compaction Sublot Size (tons)
<20,000	100
20,000 to 30,000	150
>30,000	200

[1] In determining the plan quantity tonnage, do not include any tons accepted by test point evaluation.

The following will cause one compaction lot to end prematurely and a new compaction lot to begin:

- For a compaction lot in progress with a compaction CPF less than 0.75, a new compaction lot will begin at the Contractor's request after the Engineer is satisfied that material

conforming to the Specifications can be produced. See also Section 5-04.3(11)F.

5-04.3(10)C2 HMA Compaction Statistical Evaluation – Acceptance Testing

Comply with Section 1-06.2(1).

The location of HMA compaction acceptance tests will be randomly selected by the Contracting Agency from within each sublot, with one test per sublot. The Contracting Agency will determine the random sample location using WSDOT Test Method T 716.

Use Table 18 to determine compaction acceptance test procedures and to allocate compaction acceptance sampling and testing responsibilities between the Contractor and the Contracting Agency. Roadway cores shall be taken or nuclear density testing shall occur after completion of the finish rolling, prior to opening to traffic, and on the same day that the mix is placed.

Table 18

HMA Compaction Acceptance Testing Procedures and Responsibilities			
	When Contract Includes Bid Item "Roadway Cores"	When Contract Does Not Include Bid Item "Roadway Cores"	
Basis for Test:	Roadway Cores	Roadway Cores[3]	Nuclear Density Gauge[3]
In-Place Density Determined by:	Contractor shall take cores[1] using WSDOT SOP 734[2] **or** Contracting Agency will determine core density using FOP for AASHTO T 166	Contracting Agency will take cores[1] using WSDOT SOP 734 **or** Contracting Agency will determine core density using FOP for AASHTO T 166	Contracting Agency, using FOP for WAQTC TM 8
Theoretical Maximum Density Determined by:	Contracting Agency, using FOP for AASHTO T 209		
Rolling Average of Theoretical Maximum Densities Determined by:	Contracting Agency, using WSDOT SOP 729		
Percent Compaction in Each Sublot	Contracting Agency, using WSDOT SOP	Contracting Agency, using WSDOT SOP	Contracting Agency, using FOP for

Determined by:	736	736	WAQTC TM 8

[1]The core diameter shall be 4-inches unless otherwise approved by the Engineer.

[2]The Contractor shall take the core samples in the presence of the Engineer, at locations designated by the Engineer, and deliver the core samples to the Contracting Agency.

[3]The Contracting Agency will determine, in its sole discretion, whether it will take cores or use the nuclear density gauge to determine in-place density. Exclusive reliance on cores for density acceptance is generally intended for small paving projects and is not intended as a replacement for nuclear gauge density testing on typical projects.

When using the nuclear density gauge for acceptance testing of pavement density, the Engineer will follow WSDOT SOP 730 for correlating the nuclear gauge with HMA cores. When cores are required for the correlation, coring and testing will be by the Contracting Agency. When a core is taken for gauge correlation at the location of a sublot, the relative density of the core will be used for the sublot test result and is exempt from retesting.

5-04.3(10)C3 HMA Statistical Compaction – Price Adjustments

For each HMA compaction lot (that is accepted by Statistical Evaluation) which has less than three compaction sublots, for which all compaction sublots attain a minimum of 91 percent compaction determined in accordance with FOP for WAQTC TM 8 (or WSDOT SOP 736 when provided by the Contract), the HMA will be accepted at the unit Contract price with no further evaluation.

For each HMA compaction lot (that is accepted by Statistical Evaluation) which does not meet the criteria in the preceding paragraph, the compaction lot shall be evaluated in accordance with Section 1-06.2(2) to determine the appropriate Compaction Price Adjustment (CPA). All of the test results obtained from the acceptance samples from a given compaction lot shall be evaluated collectively. Additional testing by either a nuclear density gauge or cores will be completed as required to provide a minimum of three tests for evaluation.

For the statistical analysis in Section 1-06.2, use the following values:

x = Percent compaction of each sublot
USL = 100
LSL= 91

Each CPA will be determined as follows:

CPA = [0.40 x (CPF – 1.00)] x Q x UP

Where

CPA = Compaction Price Adjustment for the compaction lot ($)

CPF = Composite Pay Factor for the compaction lot (maximum is 1.05)
Q = Quantity in the compaction lot (tons)
UP = Unit price of the HMA in the compaction lot ($/ton)

5-04.3(10)C4 HMA Statistical Compaction – Requests for Retesting

For a compaction sublot that has been tested with a nuclear density gauge that did not meet the minimum of 91 percent of the theoretical maximum density in a compaction lot with a CPF below 1.00 and thus subject to a price reduction or rejection, the Contractor may request that a core, taken at the same location as the nuclear density test, be used for determination of the relative density of the compaction sublot. The relative density of the core will replace the relative density determined by the nuclear density gauge for the compaction sublot and will be used for calculation of the CPF and acceptance of HMA compaction lot. When cores are taken by the Contracting Agency at the request of the Contractor, they shall be requested by noon of the next workday after the test results for the compaction sublot have been provided or made available to the Contractor. Traffic control shall be provided by the Contractor as requested by the Engineer. Failure by the Contractor to provide the requested traffic control will result in forfeiture of the request for retesting. When the CPF for the compaction lot based on the results of the cores is less than 1.00, the Contracting Agency will deduct the cost for the coring from any monies due or that may become due the Contractor under the Contract at the rate of $200 per core and the Contractor shall pay for the cost of the traffic control.

5-04.3(10)D HMA Compaction – Visual Evaluation

Visual Evaluation will be the basis of acceptance for compaction of the Bid items “HMA for Pavement Repair Cl. ___ PG ___”and “HMA for Prelevelling Class___ PG___”. This HMA shall be thoroughly compacted to the satisfaction of the Engineer. HMA that is used to prelevel wheel ruts shall be compacted with a pneumatic tire roller.

5-04.3(10)E HMA Compaction – Test Point Evaluation

When compaction acceptance is by Test Point Evaluation, compact HMA based on a test point evaluation of the compaction train. Perform the test point evaluation in accordance with instructions from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

5-04.3(10)F HMA Compaction Acceptance – Notification of Acceptance Test Results

The obligations and responsibilities for notifying the Contractor of compaction acceptance test results are the same as for mixture acceptance test results. See Section 5-04.3(9)E.

5-04.3(11) Reject Work

This Section applies to HMA and all requirements related to HMA (except aggregates prior to being incorporated into HMA). For rejection of aggregate prior to its incorporation into HMA refer to Section 3-04.

5-04.3(11)A Reject Work – General
Work that is defective or does not conform to Contract requirements shall be rejected.

5-04.3(11)B Rejection by Contractor
The Contractor may, prior to acceptance sampling and testing, elect to remove any defective material and replace it with new material. Any such new material will be sampled, tested, and evaluated for acceptance.

5-04.3(11)C Rejection Without Testing (Mixture or Compaction)
The Engineer may, without sampling, reject any batch, load, or section of Roadway that appears defective. Material rejected before placement shall not be incorporated into the pavement.

No payment will be made for the rejected materials or the removal of the materials unless the Contractor requests the rejected material to be tested. If the Contractor requests testing, acceptance will be by Statistical Evaluation, and a minimum of three samples will be obtained and tested. When uncompacted material is required for testing but not available, the Engineer will determine random sample locations on the roadway in accordance with WSDOT Test Method T 716, take cores in accordance with WSDOT SOP 734, and test the cores in accordance with WSDOT SOP 737.

If the CPF for the rejected material is less than 0.75, no payment will be made for the rejected material; in addition, the cost of sampling and testing shall be borne by the Contractor. If the CPF is greater than or equal to 0.75, the cost of sampling and testing will be borne by the Contracting Agency. If the material is rejected before placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at a CPF of 0.75. If rejection occurs after placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at the calculated CPF with an addition of 25 percent of the unit Contract price added for the cost of removal and disposal.

5-04.3(11)D Rejection – A Partial Sublot (Mixture or Compaction)
In addition to the random acceptance sampling and testing, the Engineer may also isolate from a mixture or compaction sublot any material that is suspected of being defective in relative density, gradation or asphalt binder content. Such isolated material will not include an original sample location. The Contracting Agency will obtain a minimum of three random samples of the suspect material and perform the testing. When uncompacted material is required for testing but is not available, the Engineer will select random sample locations on the roadway in accordance with WSDOT Test Method T 716, take cores samples in accordance with WSDOT SOP 734, and test the material in accordance with WSDOT SOP 737. The material will then be statistically evaluated as an independent lot in accordance with Section 1-06.2(2).

5-04.3(11)E Rejection – An Entire Sublot (Mixture or Compaction)
An entire mixture or compaction sublot that is suspected of being defective may be rejected. When this occurs, a minimum of two additional random samples from this sublot will be obtained. When uncompacted material is required for the additional samples but the material has been compacted,

the Contracting Agency will take and test cores from the roadway as described in Section 5-04.3(11)D. The additional samples and the original sublot will be evaluated as an independent lot in accordance with Section 1-06.2(2).

5-04.3(11)F Rejection - A Lot in Progress (Mixture or Compaction)
The Contractor shall shut down operations and shall not resume HMA placement until such time as the Engineer is satisfied that material conforming to the Specifications can be produced when:

1. the Composite Pay Factor (CPF) of a mixture or compaction lot in progress drops below 1.00 and the Contractor is taking no corrective action, or

2. the Pay Factor (PF_i) for any constituent of a mixture or compaction lot in progress drops below 0.95 and the Contractor is taking no corrective action, or

3. either the PF_i for any constituent (or the CPF) of a mixture or compaction lot in progress is less than 0.75.

5-04.3(11)G Rejection – An Entire Lot (Mixture or Compaction)
An entire lot with a CPF of less than 0.75 will be rejected.

5-04.3(12) Joints

5-04.3(12)A Transverse Joints
Conduct operations such that placement of the top or wearing course is a continuous operation or as close to continuous as possible. Unscheduled transverse joints will be allowed, but the roller may pass over the unprotected end of the freshly laid HMA only when the placement of the course is discontinued for such a length of time that the HMA will cool below compaction temperature. When the Work is resumed, cut back the previously compacted HMA to produce a slightly beveled edge for the full thickness of the course.

Construct a temporary wedge of HMA on a 50H:1V where a transverse joint as a result of paving or planing is open to traffic. Separate the HMA in the temporary wedge from the permanent HMA upon which it is placed by strips of heavy wrapping paper or other methods approved by the Engineer. Remove the wrapping paper and trim the joint to a slightly beveled edge for the full thickness of the course prior to resumption of paving.

Waste the material that is cut away and place new HMA against the cut. Use rollers or tamping irons to seal the joint.

5-04.3(12)B Longitudinal Joints
Offset the longitudinal joint in any one course from the course immediately below by not more than 6 inches nor less than 2 inches. Locate all longitudinal joints constructed in the wearing course at a lane line or an edge line of the Traveled Way. Construct a notched wedge joint along all longitudinal joints in the wearing surface of new HMA unless otherwise approved by the Engineer. The notched wedge joint shall have a vertical edge of not less than the maximum aggregate size nor more than ½ of the

compacted lift thickness, and then taper down on a slope not steeper than 4H:1V. Uniformly compact the sloped portion of the HMA notched wedge joint.

On one-lane ramps a longitudinal joint may be constructed at the center of the traffic lane, subject to approval by the Engineer, if:

1. The ramp must remain open to traffic, or

2. The ramp is closed to traffic and a hot-lap joint is constructed.

    a. Two paving machines shall be used to construct the hot-lap joint.

    b. The pavement within 6 inches of the hot-lap joint will not be excluded from random location selection for compaction testing.

    c. Construction equipment other than rollers shall not operate on any uncompacted HMA.

When HMA is placed adjacent to cement concrete pavement, construct longitudinal joints between the HMA and the cement concrete pavement. Saw the joint to the dimensions shown on Standard Plan A-40.10 and fill with joint sealant meeting the requirements of Section 9-04.2.

5-04.3(13) Surface Smoothness

The completed surface of all courses shall be of uniform texture, smooth, uniform as to crown and grade, and free from defects of all kinds. The completed surface of the wearing course shall not vary more than ⅛ inch from the lower edge of a 10-foot straightedge placed on the surface parallel to the centerline. The transverse slope of the completed surface of the wearing course shall vary not more than ¼ inch in 10 feet from the rate of transverse slope shown in the Plans.

When deviations in excess of the above tolerances are found that result from a high place in the HMA, correct the pavement surface by one of the following methods:

1. Remove material from high places by grinding with an approved grinding machine, or

2. Remove and replace the wearing course of HMA, or

3. By other method approved by the Engineer.

Correct defects until there are no deviations anywhere greater than the allowable tolerances.

Deviations in excess of the above tolerances that result from a low place in the HMA and deviations resulting from a high place where corrective action, in the opinion of the Engineer, will not produce satisfactory results will be accepted with a price adjustment. The Engineer shall deduct from monies due or that may become due to the Contractor the sum of $500.00 for each and every

section of single traffic lane 100 feet in length in which any excessive deviations described above are found.

When portland cement concrete pavement is to be placed on HMA, the surface tolerance of the HMA shall be such that no surface elevation lies above the Plan grade minus the specified Plan depth of portland cement concrete pavement. Prior to placing the portland cement concrete pavement, bring any such irregularities to the required tolerance by grinding or other means approved by the Engineer.

When utility appurtenances such as manhole covers and valve boxes are located in the Traveled Way, pave the Roadway before the utility appurtenances are adjusted to the finished grade.

5-04.3(14) Planing Bituminous Pavement

Plane in such a manner that the underlying pavement is not torn, broken, or otherwise damaged by the planing operation. Delamination or raveling of the underlying pavement will not be construed as damage due to the Contractor's operations. Pavement outside the limits shown in the Plans or designated by the Engineer that is damaged by the Contractor's operations shall be repaired to the satisfaction of the Engineer at no additional cost to the Contracting Agency.

For mainline planing operations, use equipment with automatic controls and with sensors for either or both sides of the equipment. The controls shall be capable of sensing the grade from an outside reference line, or a mat-referencing device. The automatic controls shall have a transverse slope controller capable of maintaining the mandrel at the desired transverse slope (expressed as a percentage) within plus or minus 0.1 percent.

Remove all loose debris from the planed surface before opening the planed surface to traffic. The planings and other debris resulting from the planing operation shall become the property of the Contractor and be disposed of in accordance with Section 2-03.3(7)C, or as otherwise allowed by the Contract.

5-04.3(15) Sealing Pavement Surfaces

Apply a fog seal where shown in the Plans. Construct the fog seal in accordance with Section 5-02.3. Unless otherwise approved by the Engineer, apply the fog seal prior to opening to traffic.

5-04.3(16) HMA Road Approaches

Construct HMA approaches at the locations shown in the Plans or where staked by the Engineer, in accordance with Section 5-04.

5-04.4 Measurement

HMA Cl. ___ PG ___, HMA for ___ Cl. ___ PG ___, and Commercial HMA will be measured by the ton in accordance with Section 1-09.2, with no deduction being made for the weight of asphalt binder, mineral filler, or any other component of the HMA. If the Contractor elects to remove and replace HMA as allowed by Section 5-04.3(11), the material removed will not be measured.

Roadway cores will be measured per each for the number of cores taken.

Crack Sealing-LF will be measured by the linear foot along the line of the crack.

Soil residual herbicide will be measured by the mile for the stated width to the nearest 0.01 mile or by the square yard, whichever is designated in the Proposal.

Pavement repair excavation will be measured by the square yard of surface marked prior to excavation.

Asphalt for fog seal will be measured by the ton, as provided in Section 5-02.4.

Longitudinal joint seals between the HMA and cement concrete pavement will be measured by the linear foot along the line and slope of the completed joint seal.

Planing bituminous pavement will be measured by the square yard.

Temporary pavement marking will be measured by the linear foot as provided in Section 8-23.4.

Water will be measured by the M gallon as provided in Section 2-07.4.

5-04.5 Payment

Payment will be made for each of the following Bid items that are included in the Proposal:

"HMA Cl. ___ PG ___", per ton.
"HMA for Approach Cl. ___ PG ___", per ton.
"HMA for Preleveling Cl. ___ PG ___", per ton.
"HMA for Pavement Repair Cl. ___ PG ___", per ton.
"Commercial HMA", per ton.
The unit Contract price per ton for "HMA Cl. ___ PG ___", "HMA for Approach Cl. ___ PG ___", "HMA for Preleveling Cl. ___ PG ___", "HMA for Pavement Repair Cl. ___ PG ___", and "Commercial HMA" shall be full compensation for all costs, including anti-stripping additive, incurred to carry out the requirements of Section 5-04 except for those costs included in other items which are included in this Subsection and which are included in the Proposal.

"Crack Sealing-FA", by force account.
"Crack Sealing-FA" will be paid for by force account as specified in Section 1-09.6. For the purpose of providing a common Proposal for all Bidders, the Contracting Agency has entered an amount in the Proposal to become a part of the total Bid by the Contractor.

"Crack Sealing-LF", per linear foot.
The unit Contract price per linear foot for "Crack Sealing-LF" shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(4)A.

"Soil Residual Herbicide ____ ft. Wide", per mile, or
"Soil Residual Herbicide", per square yard.
The unit Contract price per mile or per square yard for "Soil Residual Herbicide" shall be full payment for all costs incurred to obtain, provide and install herbicide in accordance with Section 5-04.3(4)B.

"Pavement Repair Excavation Incl. Haul", per square yard.
The unit Contract price per square yard for "Pavement Repair Excavation Incl. Haul" shall be full payment for all costs incurred to perform the Work described in Section

5-04.3(4)C with the exception, however, that all costs involved in the placement of HMA shall be included in the unit Contract price per ton for "HMA for Pavement Repair Cl. ___ PG ___", per ton.

"Asphalt for Fog Seal", per ton.
Payment for "Asphalt for Fog Seal" is described in Section 5-02.5.

"Longitudinal Joint Seal", per linear foot.
The unit Contract price per linear foot for "Longitudinal Joint Seal" shall be full payment for all costs incurred to construct the longitudinal joint between HMA and cement concrete pavement, as described in Section 5-04.3(12)B.

"Planing Bituminous Pavement", per square yard.
The unit Contract price per square yard for "Planing Bituminous Pavement" shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(14).

"Temporary Pavement Marking", per linear foot.
Payment for "Temporary Pavement Marking" is described in Section 8-23.5.

"Water", per M gallon.
Payment for "Water" is described in Section 2-07.5.

"Job Mix Compliance Price Adjustment", by calculation.
"Job Mix Compliance Price Adjustment" will be calculated and paid for as described in Section 5-04.3(9)B6, 5-04.3(9)C3, and 5-04.3(9)D1.

"Compaction Price Adjustment", by calculation.
"Compaction Price Adjustment" will be calculated and paid for as described in Section 5-04.3(10)C3.

"Roadway Core", per each.
The Contractor's costs for all other Work associated with the coring (e.g., traffic control) shall be incidental and included within the unit Bid price per each and no additional payments will be made.

"Cyclic Density Price Adjustment", by calculation.
"Cyclic Density Price Adjustment" will be calculated and paid for as described in Section 5-04.3(10)B.

8-01.AP8

Section 8-01, Erosion Control and Water Pollution Control
April 4, 2016

8-01.2 Materials
This section is supplemented with the following new paragraph:

Recycled concrete, in any form, shall not be used for any Work defined in Section 8-01.

8-01.3(8) Street Cleaning
This section is revised to read:

Self-propelled street sweepers shall be used to remove and collect sediment and other debris from the Roadway, whenever required by the Engineer. The street sweeper shall effectively collect these materials and prevent them from being washed or blown off the Roadway or into waters of the State. Street sweepers shall not generate fugitive dust and shall be designed and operated in compliance with applicable air quality standards.

Material collected by the street sweeper shall be disposed of in accordance with Section 2-03.3(7)C.

Street washing with water will require the concurrence of the Engineer.

8-22.AP8

Section 8-22, Pavement Marking
January 4, 2016

8-22.4 Measurement
The first two sentences of the fourth paragraph are revised to read:

The measurement for “Painted Wide Lane Line”, “Plastic Wide Lane Line”, “Profiled Plastic Wide Lane Line”, “Painted Barrier Center Line”, “Plastic Barrier Center Line”, “Painted Stop Line”, “Plastic Stop Line”, “Painted Wide Dotted Entry Line”, or “Plastic Wide Dotted Entry Line” will be based on the total length of each painted, plastic or profiled plastic line installed. No deduction will be made for the unmarked area when the marking includes a broken line such as, wide broken lane line, drop lane line, wide dotted lane line or wide dotted entry line.

8-22.5 Payment
The following two new Bid items are inserted after the Bid item “Plastic Crosshatch Marking”, per linear foot:

“Painted Wide Dotted Entry Line”, per linear foot.

“Plastic Wide Dotted Entry Line”, per linear foot.

9-03.AP9

Section 9-03, Aggregates
April 4, 2016

9-03.1(1) General Requirements
This first paragraph is supplemented with the following:

Reclaimed aggregate may be used if it complies with the specifications for Portland Cement Concrete. Reclaimed aggregate is aggregate that has been recovered from plastic concrete by washing away the cementitious materials.

9-03.1(2) Fine Aggregate for Portland Cement Concrete
This section is revised to read:

Fine aggregate shall consist of natural sand or manufactured sand, or combinations thereof, accepted by the Engineer, having hard, strong, durable particles free from adherent coating. Fine aggregate shall be washed thoroughly to meet the specifications.

9-03.1(2)A Deleterious Substances
This section is revised to read:

The amount of deleterious substances in the washed aggregate shall be tested in accordance with AASHTO M 6 and not exceed the following values:

Material finer than No. 200 Sieve	2.5 percent by weight
Clay lumps and friable particles	3.0 percent by weight
Coal and lignite	0.25 percent by weight
Particles of specific gravity less than 2.00	1.0 percent by weight.

Organic impurities shall be tested in accordance with AASHTO T 21 by the glass color standard procedure and results darker than organic plate no. 3 shall be rejected. A darker color results from AASHTO T 21 may be used provided that when tested for the effect of organic impurities on strength of mortar, the relative strength at 7 days, calculated in accordance with AASHTO T 71, is not less than 95 percent.

9-03.1(4) Coarse Aggregate for Portland Cement Concrete
This section is revised to read:

Coarse aggregate for concrete shall consist of gravel, crushed gravel, crushed stone, or combinations thereof having hard, strong, durable pieces free from adherent coatings. Coarse aggregate shall be washed to meet the specifications.

9-03.1(4)A Deleterious
This section, including title, is revised to read:

9-03.1(4)A Deleterious Substances
The amount of deleterious substances in the washed aggregate shall be tested in accordance with AASHTO M 80 and not exceed the following values:

Material finer than No. 200	1.0[1] percent by weight
Clay lumps and Friable Particles	2.0 percent by weight
Shale	2.0 percent by weight
Wood waste	0.05 percent by weight
Coal and Lignite	0.5 percent by weight
Sum of Clay Lumps, Friable Particles, and Chert (Less Than 2.40 specific gravity SSD)	3.0 percent by weight

[1]If the material finer than the No. 200 sieve is free of clay and shale, this percentage may be increased to 1.5.

9-03.1(4)C Grading
The following new sentence is inserted at the beginning of the last pargraph:

Where coarse aggregate size 467 is used, the aggregate may be furnished in at least two separate sizes.

9-03.1(5) Combined Aggregate Gradation for Portland Cement Concrete
This section is revised to read:

As an alternative to using the fine aggregate sieve grading requirements in Section 9-03.1(2)B, and coarse aggregate sieve grading requirements in Section 9-03.1(4)C, a combined aggregate gradation conforming to the requirements of Section 9-03.1(5)A may be used.

9-03.1(5)A Deleterious Substances
This section is revised to read:

The amount of deleterious substances in the washed aggregates $\frac{3}{8}$ inch or larger shall not exceed the values specified in Section 9-03.1(4)A and for aggregates smaller than $\frac{3}{8}$ inch they shall not exceed the values specified in Section 9-03.1(2)A.

9-03.1(5)B Grading
The first paragraph is deleted.

9-03.8(7) HMA Tolerances and Adjustments
In the table in item 1, the last column titled “Commercial Evaluation” is revised to read “Visual Evaluation”.

9-03.21(1)B Concrete Rubble
This section, including title, is revised to read:

9-03.21(1)B Recycled Concrete Aggregate
Recycled concrete aggregates are coarse aggregates manufactured from hardened concrete mixtures. Recycled concrete aggregate may be used as coarse aggregate or blended with coarse aggregate for Commercial Concrete. Recycled concrete aggregate shall meet all of the requirements for coarse aggregate contained in Section 9-03.1(4) or 9-03.1(5). In addition to the requirements of Section 9-03.1(4) or 9-03.1(5), recycled concrete shall:

1. Contain an aggregated weight of less than 1 percent of adherent fines, vegetable matter, plastics, plaster, paper, gypsum board, metals, fabrics, wood, tile, glass, asphalt (bituminous) materials, brick, porcelain or other deleterious substance(s) not otherwise noted;
2. Be free of harmful components such as chlorides and reactive materials unless mitigation measures are taken to prevent recurrence in the new concrete;
3. Have an absorption of less than 10 percent when tested in accordance with AASHTO T 85.

Recycled concrete aggregate shall be in a saturated condition prior to mixing.

Recycled concrete aggregate shall not be placed below the ordinary high water mark of any water of the State.

9-03.21(1)D Recycled Steel Furnace Slag
This section title is revised to read:

Steel Furnace Slag

9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material
The following new row is inserted after the second row:

Coarse Aggregate for Commercial Concrete	9-03.1(4)	0	100	0	0

9-07.AP9

Section 9-07, Reinforcing Steel
January 4, 2016

9-07.1(1)A Acceptance of Materials
The first sentence of the first paragraph is revised to read:

> Reinforcing steel rebar manufacturers shall comply with the National Transportation Product Evaluation Program (NTPEP) Work Plan for Reinforcing Steel (rebar) Manufacturers.

The first sentence of the second paragraph is revised to read:

> Steel reinforcing bar manufacturers use either English or a Metric size designation while stamping rebar.

PART 4
SPECIAL PROVISIONS

INTRODUCTION TO THE SPECIAL PROVISIONS

(August 14, 2013 APWA GSP)

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2016 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter "Standard Specifications"). The Standard Specifications, as modified or supplemented by the Amendments to the Standard Specifications and these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

These Special Provisions are made up of both General Special Provisions (GSPs) from various sources, which may have project-specific fill-ins; and project-specific Special Provisions. Each Provision either supplements, modifies, or replaces the comparable Standard Specification, or is a new Provision. The deletion, amendment, alteration, or addition to any subsection or portion of the Standard Specifications is meant to pertain only to that particular portion of the section, and in no way should it be interpreted that the balance of the section does not apply.

The project-specific Special Provisions are not labeled as such. The GSPs are labeled under the headers of each GSP, with the effective date of the GSP and its source. For example:

(March 8, 2013 APWA GSP)
(April 1, 2013 WSDOT GSP)
(May 2016 Medina GSP)
*(***** Project Specific Special Provisions)*

Also incorporated into the Contract Documents by reference are:

- *Manual on Uniform Traffic Control Devices for Streets and Highways*, currently adopted edition, with Washington State modifications, if any
- *Standard Plans for Road, Bridge and Municipal Construction*, WSDOT/APWA, current edition

Contractor shall obtain copies of these publications, at Contractor's own expense.

DIVISION I GENERAL REQUIREMENTS

Division I of the 2016 Standard Specifications for Road, Bridge and Municipal Construction is hereby adopted as the General Requirements of the contract and as further modified by the following amendments promulgated by the City of Medina:

1-01 DEFINITIONS AND TERMS

1-01.3 Definitions

(January 4, 2016 APWA GSP)

Delete the heading **Completion Dates** and the three paragraphs that follow it, and replace them with the following:

Dates

Bid Opening Date
The date on which the Contracting Agency publicly opens and reads the Bids.

Award Date
The date of the formal decision of the Contracting Agency to accept the lowest responsible and responsive Bidder for the Work.

Contract Execution Date
The date the Contracting Agency officially binds the Agency to the Contract.

Notice to Proceed Date
The date stated in the Notice to Proceed on which the Contract time begins.

Substantial Completion Date
The day the Engineer determines the Contracting Agency has full and unrestricted use and benefit of the facilities, both from the operational and safety standpoint, any remaining traffic disruptions will be rare and brief, and only minor incidental work, replacement of temporary substitute facilities, plant establishment periods, or correction or repair remains for the Physical Completion of the total Contract.

Physical Completion Date
The day all of the Work is physically completed on the project. All documentation required by the Contract and required by law does not necessarily need to be furnished by the Contractor by this date.

Completion Date
The day all the Work specified in the Contract is completed and all the obligations of the Contractor under the contract are fulfilled by the Contractor. All documentation required by the Contract and required by law must be furnished by the Contractor before establishment of this date.

Final Acceptance Date
The date on which the Contracting Agency accepts the Work as complete.

Supplement this Section with the following:

All references in the Standard Specifications, Amendments, or WSDOT General Special Provisions, to the terms “Department of Transportation”, “Washington State Transportation

Commission", "Commission", "Secretary of Transportation", "Secretary", "Headquarters", and "State Treasurer" shall be revised to read "Contracting Agency".

All references to the terms "State" or "state" shall be revised to read "Contracting Agency" unless the reference is to an administrative agency of the State of Washington, a State statute or regulation, or the context reasonably indicates otherwise.

All references to "State Materials Laboratory" shall be revised to read "Contracting Agency designated location".

All references to "final contract voucher certification" shall be interpreted to mean the Contracting Agency form(s) by which final payment is authorized, and final completion and acceptance granted.

Additive
A supplemental unit of work or group of bid items, identified separately in the Bid Proposal, which may, at the discretion of the Contracting Agency, be awarded in addition to the base bid.

Alternate
One of two or more units of work or groups of bid items, identified separately in the Bid Proposal, from which the Contracting Agency may make a choice between different methods or material of construction for performing the same work.

Business Day
A business day is any day from Monday through Friday except holidays as listed in Section 1-08.5.

Contract Bond
The definition in the Standard Specifications for "Contract Bond" applies to whatever bond form(s) are required by the Contract Documents, which may be a combination of a Payment Bond and a Performance Bond.

Contract Documents
See definition for "Contract".

Contract Time
The period of time established by the terms and conditions of the Contract within which the Work must be physically completed.

Notice of Award
The written notice from the Contracting Agency to the successful Bidder signifying the Contracting Agency's acceptance of the Bid Proposal.

Notice to Proceed
The written notice from the Contracting Agency or Engineer to the Contractor authorizing and directing the Contractor to proceed with the Work and establishing the date on which the Contract time begins.

Traffic
Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists, wheelchairs, and equestrian traffic.

This section is supplemented with the following:
(May 2016 Medina GSP)

Whenever the following terms are used in Divisions 1 through 9 of the Standard Specifications, the terms shall be construed to mean as follows:

Bid Documents
The words “addenda, and subsurface borings (if any)”, are changed to “and addenda.”

Contract
The word “change orders, and subsurface borings (if any)”, are changed to “and change orders.”

Contract Bond
The following is added:

The terms “Contract Bond” and “Contract Performance Bond and Labor & Material Payment Bond” shall have the same meaning

Contracting Agency
The definition is revised as follows:

The words "Contracting Agency" shall refer to the City of Medina, Medina, Washington. “Contracting Agency” and “Owner” shall have the same meaning.
The following is added:

The Contractor shall perform all work under this Contract as an Independent Agent and shall not be considered as an agent of the Owner, nor shall the Contractor's subcontractors or employees be subagents of the Owner.

Contractor
The following is added:

The Contractor shall perform all work under this Contract as an Independent Agent and shall not be considered as an agent of the Owner, nor shall the Contractor’s subcontractors or employees be subagents of the Owner.

Engineer
The definition is revised as follows:

Wherever in these documents the word "Engineer" appears, it shall be understood to mean City of Medina Director of Public Works including such assistants and representatives as are authorized to act directly or indirectly as agents of the Owner.

Plans
The following is added:

Drawings may either be bound in the same book as the Contract Documents or bound in separate sets, and are a part of the Contract Documents, regardless of the method of binding. The term "Standard Drawings" generally used in the Specifications refers to drawings bound either with the Specification Documents or included with the Plans. The term "Standard Plans", as used in the Specifications and appearing in notes shown on the Plans refers to Standard Plans for Road, Bridge and Municipal Construction published jointly by the Washington State Department of Transportation and the Washington State Chapter of the American Public Works Association.

All Drawings, Plans, Specifications, and copies thereof furnished by the Engineer are the property of the Owner are not to be used on other work and, with the exception of the signed Contract set, are to be returned to the Owner at the completion of the work. Any reuse of these materials is not permitted without specific written verification or adaptation by the Engineer.

Working Drawings
The following is added:

Catalog cuts and drawings for fabricated items and manufactured items shall also be included in this definition.

The following new terms and definitions are added:
(May 2016 Medina GSP)

Day (New)
Unless otherwise designated, day(s) as used in the Contract Documents, shall be understood to mean calendar day.

Imported Material (New)
"Imported material" shall refer to material obtained from a source off the project and that is not furnished by the Contracting Agency. Material excavated from anywhere on the project or from designated borrow areas, or furnished by the Contracting Agency, shall not be considered imported material.

Non-Working Days (New)
If any State legal holidays are also Federal legal holidays but observed on different dates, only the State legal holidays shall be recognized as a paid legal holiday for employees of the Owner.

Whenever any legal holiday falls on a Saturday, the preceding Friday will be a legal holiday for Owner employees.

Owner (New)
The City of Medina, Medina, Washington, acting through its legally constituted officials, officers, employees, or agents.

Or Equal (New)
The term "or equal" shall be understood to indicate that the "equal" product is the same or better than the product named in function, performance, reliability, quality, and general configuration. Determination of equality in reference to the project design requirements will be made by the Engineer.

The responsibility and cost of furnishing necessary evidence, demonstrations, or other information required to obtain the approval of alternative materials or processes by the Engineer shall be entirely borne by the Contractor.

Provide (New)
The word 'provide' shall be understood to mean 'furnish and install, complete in place.'

Surfacing (New)
The uppermost layer of material placed on the traveled way or shoulder.

Welding Symbols (New)
Welding symbols, as shown on the drawings or referenced in the Specifications shall be construed to mean the definition currently published by the American Welding Society.

Written Notice (New)
Any Notice to any party of the Contract relative to any part of the Contract Documents in writing and considered delivered and the service thereof completed, when posted by United States mail to the said party at the last given address, or delivered in person to said party or an authorized representative of said party on the project.

1-02 BID PROCEDURES AND CONDITIONS

1-02.1 Prequalification of Bidders

Delete this section and replace it with the following:

1-02.1 Qualifications of Bidder
(January 24, 2011 APWA GSP)

Before award of a public works contract, a bidder must meet at least the minimum qualifications of RCW 39.04.350(1) to be considered a responsible bidder and qualified to be awarded a public works project.

1-02.2 Plans and Specifications
(May 2016 Medina GSP)

Delete this section and replace it with the following:

Plans and Specifications are available for review at Medina City Hall located at 501 Evergreen Point Road, PO Box 144, Medina, Washington 98039. Plans and Specifications may be purchased in person at the office of the Director of Public Works, 501 Evergreen Point Road, Medina, Washington for a fee of $40.00.

Upon contract award, the contractor shall receive four sets of plans and specifications. Additional sets are available at the cost of reproduction.

1-02.4 Examination of Plans, Specifications, and Site of Work

1.02.4(1) General
(May 2016 Medina GSP)

The following is added at the end of the first paragraph:

Failure to make an examination necessary for this determination shall not release the Contractor from the obligations of this Contract.

1-02.4(2) Subsurface Information
(May 2016 Medina GSP)

Add the following at the beginning of the first paragraph:

No subsurface investigation has been made by the Owner.

1-02.7 Bid Deposit
(May 2016 Medina GSP)

Add the following after the first sentence:

Checks shall be payable to the City of Medina.

1-02.9 Delivery of Proposal
(May 2016 Medina GSP)

Delete this section and replace it with the following:

Each proposal shall be submitted in a sealed envelope, with the Project Name and Project Number as stated in the Call for Bids clearly marked on the outside of the envelope, or as otherwise required in the Bid Documents, to ensure proper handling and delivery.

The Contracting Agency will not open or consider any Bid Proposal that is received after the time specified in the Call for Bids for receipt of Bid Proposals, or received in a location other than that specified in the Call for Bids.

1-02.14 Disqualification of Bidders
(May 2016 Medina GSP)

This section is supplemented with the following:

The Bidder fails to complete the Bidder's Qualification forms.

The Bidder's Construction Schedule does not indicate project completion by the required completion date.

No Bidder will be disqualified or prevented from competitive bidding because of the purchase of a surety bond or insurance policy from any surety or insurer outside the state and authorized to do business in the state.

1-02.15 Pre-Award Information
(August 14, 2013 APWA GSP)

Revise this section to read:

Before awarding any contract, the Contracting Agency may require one or more of these items or actions of the apparent lowest responsible bidder:

1. A complete statement of the origin, composition, and manufacture of any or all materials to be used,
2. Samples of these materials for quality and fitness tests,
3. A progress schedule (in a form the Contracting Agency requires) showing the order of and time required for the various phases of the work,
4. A breakdown of costs assigned to any bid item,
5. Attendance at a conference with the Engineer or representatives of the Engineer,
6. Obtain, and furnish a copy of, a business license to do business in the city or county where the work is located.
7. Any other information or action taken that is deemed necessary to ensure that the bidder is the lowest responsible bidder.

(May 2016 Medina GSP)

This section is supplemented with the following:

The Contractor shall submit a construction schedule showing the order of and the time required for the various phases of the work contained within this contract prior to issuance of The “Notice to Proceed”. The schedule shall accurately reflect the proposed project start date and completion date in compliance with the proposal.

1-03 AWARD AND EXECUTION OF CONTRACT

1-03.1 Consideration of Bids
(January 23, 2006 APWA GSP)

Revise the first paragraph to read:

After opening and reading proposals, the Contracting Agency will check them for correctness of extensions of the prices per unit and the total price. If a discrepancy exists between the price per unit and the extended amount of any bid item, the price per unit will control. If a minimum bid amount has been established for any item and the bidder's unit or lump sum price is less than the minimum specified amount, the Contracting Agency will unilaterally revise the unit or lump sum price, to the minimum specified amount and recalculate the extension. The total of extensions, corrected where necessary, including sales taxes where applicable and such additives and/or alternates as selected by the Contracting Agency, will be used by the Contracting Agency for award purposes and to fix the Awarded Contract Price amount and the amount of the contract bond.

1-03.3 Execution of Contract
(May 2016 Medina GSP)

The first sentence is revised as follows:

Within ten (10) calendar days after the award date, the successful bidder shall return the signed the Contract and provide the insurance certification as required by Section 1-07.18 and bonds as required by Section 1-03.4.

1.03.4 Contract Bond
(July 23, 2015 APWA GSP)

Delete the first paragraph and replace it with the following:

The successful bidder shall provide executed payment and performance bond(s) for the full contract amount. The bond may be a combined payment and performance bond; or be separate payment and performance bonds. In the case of separate payment and performance bonds, each shall be for the full contract amount. The bond(s) shall:

1. Be on Contracting Agency-furnished form(s);
2. Be signed by an approved surety (or sureties) that:
   a. Is registered with the Washington State Insurance Commissioner, and
   b. Appears on the current Authorized Insurance List in the State of Washington published by the Office of the Insurance Commissioner,
3. Guarantee that the Contractor will perform and comply with all obligations, duties, and conditions under the Contract, including but not limited to the duty and obligation to indemnify, defend, and protect the Contracting Agency against all losses and claims related directly or indirectly from any failure:
   a. Of the Contractor (or any of the employees, subcontractors, or lower tier subcontractors of the Contractor) to faithfully perform and comply with all contract obligations, conditions, and duties, or
   b. Of the Contractor (or the subcontractors or lower tier subcontractors of the Contractor) to pay all laborers, mechanics, subcontractors, lower tier subcontractors, material person, or any other person who provides supplies or provisions for carrying out the work;
4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project under titles 50, 51, and 82 RCW; and
5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond; and

6. Be signed by an officer of the Contractor empowered to sign official statements (sole proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed by the president or vice president, unless accompanied by written proof of the authority of the individual signing the bond(s) to bind the corporation (i.e., corporate resolution, power of attorney, or a letter to such effect signed by the president or vice president).

(May 2016 Medina GSP)

The following paragraph is added at the end of the section:

The bond shall remain in force until all work on the project has been accepted by the Owner. The Attorney-in-Fact (Resident Agent) who executes these bonds on behalf of the Surety shall attach a notarized copy of his Power-of-Attorney as evidence of his authority to bind the Surety on the date of execution of the bonds.

1-03.7 Judicial Review
(May 2016 Medina GSP)

The last sentence is revised as follows:

Such review, if any, shall be timely filed in the Superior Court of King County, Washington.

1-04 SCOPE OF THE WORK

Public Relations
(May 2016 Medina GSP)

This section is supplemented with the following:

The Contractor's responsibility to complete all contract work also includes the manner in which it is accomplished, all Subcontractor work, the staging, sequence of construction, the workmen employed, their supervision, the operation of the equipment and the impact of these operations on the Public.

The work will be performed in residential neighborhoods. It is imperative that the prosecution of the work proceed in an orderly, organized and cordial manner with as little disturbance to the public as possible.

In addition to the responsibilities stated in Section 1-05.13, the Contractor shall employ an authorized representative that is experienced in the work to be performed, is able to supervise the work and employees on the job and has demonstrated public relations skills in dealing with the public, community groups, the press, and public meetings. The representative will be required to address the concerns of the public, oversee the conduct of the Contractor’s employees, resolve issues relating to the construction disturbance and inconvenience and to represent the Contractor at pre-work meetings, weekly construction meetings, and other forums. The Superintendent Credentials form included in the Proposal shall be completed and submitted with the Bid Proposal for evaluation by the Engineer prior to the Contract Award. Upon written request of the Engineer, the Contractor shall provide additional supplemental information as may be necessary to demonstrate the experience

and ability of the Contractor's representative. Should the credentials or information provided indicate a lack of experience or ability the Engineer may request that the Contractor provide a replacement.

Any Contractor representative who repeatedly fails to address the concerns of the public, or oversee the conduct of the Contractor's employees, or to resolve issues relating to the construction disturbance and inconvenience shall be subject to removal from the project. Upon written request of the Engineer, the Contractor shall immediately remove such representative and submit the credentials of a replacement to the Engineer for approval.

1-04.1 Intent of the Contract

1-04.1(2) Bid Items Not Included In the Proposal
(May 2016 Medina GSP)

The section is revised as follows:

Work shown or specified for which there is no specific bid item in the Bid Form shall be considered incidental to and included in the bid items shown on the Bid Proposal Form.

1-04.2 Coordination of Contract Documents, Plans, Special Provisions Specifications, and Addenda
(May 2016 Medina GSP)

The second paragraph revised as follows:

Any inconsistency in the parts of the Contract shall be resolved by the Engineer upon submission of a request by the Contractor.

1-04.4 Changes
(May 2016 Medina GSP)

Delete items 1. and 2. and references thereto.

The following is added:

Approval of certain changes and overrun as defined in the Standard Specifications must be approved by the City Council. It is imperative that such changes or overruns be anticipated to allow enough time for approval prior to commencing affected work.

Contractor's quotations for Change Orders shall be in writing and firm for a period of 30 days. Any compensation paid in conjunction with the terms of a Change Order shall comprise total compensation due the Contractor for the work or alteration defined in the Change Order. By signing the Change Order, the Contractor acknowledges that the stipulated compensation includes payment for the work or alteration plus all payment for the interruption of schedules, extended overhead, delay, or any other impact claim or ripple effect, and by such signing specifically waives any reservation or claim for additional compensation in respect to the subject of the Change Order.

1-04.5 Procedure and Protest by the Contractor
(May 2016 Medina GSP)

The second paragraph is supplemented with the following:

Record keeping and submittal of information shall be as specified in Section 1-09.6, Force Account.

1-04.6 Variation in Estimated Quantities
(May 2016 Medina GSP)

Delete all but the first sentence of this Section.

1-04.7 Differing Site Conditions (Changed Conditions)
(May 2016 Medina GSP)

This section is supplemented with the following:

The Contractor shall be deemed to have waived any and all claim for additional time or claim for extra compensation for additional work and material required because of the alleged changed conditions if the Contractor disturbs the condition before the Engineer has indicated to the Contractor that he has completed his field evaluation of the situation. Changed conditions as a result of any negligence or inattention on the part of the Contractor or his subcontractor shall not be considered eligible for extra payment.

1-04.10 Use of Materials Found on the Project
(May 2016 Medina GSP)

This section is supplemented with the following:

Except for items shown or specified to be reused in the work or to be salvaged, all materials or facilities removed by the Contractor in the construction shall become his property and shall be removed from the site at his expense. Items to be salvaged or reused shall be removed with extreme care to avoid damage and shall be cleaned, protected from dirt and elements, and stored by Contractor until they are reinstalled. Damage caused by the Contractor to equipment or material shown or specified to be reused shall be replaced or repaired by the Contractor at the Contractor's own expense.

Add the following new section:

1-04.12 Waste Sites (New Section)
(May 2016 Medina GSP)

Unless otherwise specified, waste sites shall be provided by the Contractor. Waste sites shall be operated in such manner as to meet the safety and health requirements of the state, county, or local political subdivision. Sites, operations, or results of such operations, which create a definite nuisance problem, or which result in damage to public or private properties will not be permitted.

Copies of permits for borrow and waste sites and reclamation plans for pits shall be furnished to the Owner by the Contractor, when requested.

Open burning is not permitted in Medina.

Add the following new section:

1-04.13 Progressive Cleanup (New Section)
(May 2016 Medina GSP)

Traffic lanes and walkways shall be maintained in a condition safe for public passage at all times.

When construction operations are such that debris from the work is deposited on the streets, the Contractor shall remove on a daily basis, or more frequently as required, any deposits or debris which may accumulate on the roadway surface or walkways. The Contractor shall, if necessary, provide facilities for and remove all clay or other deposits from the tires or between wheels before trucks or other equipment will be allowed to travel over paved streets. Streets shall be swept clean and shall not be hosed down, unless otherwise approved. Excess asphalt or tack coat shall be removed from all pavement markings and traffic buttons within the work site and along any haul routes. If such items cannot be cleaned or are otherwise damaged by the construction, they shall be replaced by the Contractor at no additional expense to the Owner.

Add the following new section:

1.04.14 Record Drawings (New Section)
(May 2016 Medina GSP)

Prior to acceptance of the completed project, the Contractor shall furnish the Engineer one legible and neatly marked set of full-sized Plans showing any changes in location, elevation, or configuration of the utilities and appurtenant valves and covers, manholes, catch basins, monument cases, and other pertinent items. These plans shall be kept current during the course of construction, kept on-site at the Contractor's site office, and be available for review by the Engineer at all times. Record drawings shall be updated daily and changes occurring on any day shall be entered on the record drawings by noon on the next working day. The Contractor and the Engineer shall review the record drawings weekly. A pay submittal shall not be considered complete or payable if the record drawings are not current as required by this section.

All costs incurred for maintaining and providing record drawings shall be considered incidental to and included in the bid items included in the proposal and no separate payment will be made.

1-05 CONTROL OF WORK

1-05.1 Authority of the Engineer
(May 2016 Medina GSP)

This section is supplemented with the following:

The Owner has not so delegated, and the Engineer does not purport to be a safety expert, is not so engaged in that capacity under this Contract, and has neither the authority nor the

responsibility to enforce construction, safety laws, rules, regulations, or procedures, or to order the stoppage of work for claimed violations thereof. The furnishing by the Engineer of resident project representation and inspection shall not make the Engineer responsible for the enforcement of such laws, rules, regulations, or procedures, nor shall such make the Engineer responsible for construction means, methods, techniques, sequences, procedures, or for the contractor failure to properly perform the work herein described.

It is expressly agreed and understood that the Consultant, when so engaged, will have no liability whatsoever resulting from the obligations entered into under the contract; that the Owner must look solely to the Contractor for the furnishing of the work; that the Contractor must look solely to the Owner for payment; and that the Owner and the Contractor must look solely to each other for the enforcement of any claims or liabilities arising under or by reason of the contract.

1-05.3 Working Drawings
(May 2016 Medina GSP)

This section is supplemented with the following:

As-built locations and drawings shall be required.

The as-built locations and drawings shall be prepared by a Professional Land Surveyor licensed in the State of Washington. The drawings shall be provided on reproducible print and in digital format. The digital format shall be an AutoCAD LT 2011 ".dwg" file on a formatted USB storage device. As- built digital file format shall conform to the Engineer’s layering standards.

The as-built drawings shall include accurate locations, elevations and sizes of all features within the limits of this contract work, including, but not limited to: curbs, sidewalks, power poles, underground power, natural gas, cable TV, water, storm and sewer facilities and improvements, including nature of composition.

As built drawings shall include "survey accuracy" (within one-tenth (0.1') of a foot) horizontally and five hundredths (0.05') of a foot vertically for the following features: curbs, gas, power, cable TV, water and storm drainage, sanitary sewer, catch basins, valves, fittings, connections, services, and manholes.

As-built drawings shall include "Rag-tape accuracy" (station and offset within one (1.0) foot) for the following features: power and street light conduit (it is critical to include conduit bends), sign posts, retaining walls and other physical features not included in the survey accuracy list.

All monuments and survey markers shall be located and referenced prior to the overlay of the streets by a Licensed Land Surveyor and re-established following completion of the work, incidental to the work.

In addition to locating the constructed improvements as provided under this contract, the as-built drawings shall include information on existing underground facilities as discovered during the Contractor's operations and as directed by the Engineer.

All record and as-built drawings shall be delivered to the Engineer in acceptable form prior to authorization being given by the Engineer for final payment.

1-05.4 Conformity With and Deviations From Plans and Stakes
(*****)

This section is revised as follows:

Copies of the Contracting Agency provided primary survey control data are shown on the Plans.

The Contractor shall provide all surveying required to complete the project. The Contractor shall be responsible for setting, maintaining, and resetting all stakes for the Work. Except for the survey control data to be furnished by the Contracting Agency, calculations, surveying, and measuring required for setting and maintaining the necessary lines and grades shall be the Contractor's responsibility. All setting and resetting of monuments, property corners, and primary control, shall be completed by or under the direct supervision of a Washington State Registered Professional Land Surveyor (PLS). The PLS must be submitted for approval as a Subcontractor.

At the Contractor's request the Contracting Agency will provide the electronic CAD base files. Electronic files are provided for the Contractor's convenience and are not part of the Contract. Calculations shall be made from the Plans. The Contractor is advised to field verify the electronic files prior to their use in staking or other activities. If the signed and stamped Plans and electronic files differ, the signed and stamped Plans control. The Contractor shall not rely on the electronic files and no claim by the Contractor shall be based on the electronic files or any difference between the electronic files and the signed and stamped Plans or site conditions.

The Contractor shall direct all questions regarding correct interpretation of provided data to the Engineer. Failure to correctly interpret and utilize survey control data or Plans as provided by the Engineer shall not constitute justification for a claim of extra Work. The Contractor shall immediately notify the Engineer of any survey data discrepancy.

The Contractor shall maintain detailed survey records, including a description of the work performed on each shift, the methods utilized, and the control points used. The records shall be adequate to allow the survey to be reproduced. A copy of each day's record shall be provided to the Engineer within three business days of Engineer's request.

The meaning of words and terms used in this provision shall be as listed in "Definitions of Surveying and Associated Terms" current edition, published by the American Congress on Surveying and Mapping and the American Society of Civil Engineers.

The survey work shall include but not be limited to the following:

1. Primary and Secondary Control: Verify and use the primary horizontal and vertical control furnished by the Contracting Agency, and expand into secondary control by adding stakes and hubs as well as additional survey control needed for the project. Provide descriptions of secondary control to the Contracting Agency. The description shall include horizontal coordinates, station, offset and elevations of all secondary control points. Provide the Contracting Agency an electronic copy of the

secondary control points. Vertical secondary control shall be established using spirit levels, not a GPS system.

2. The Contractor shall stake Right-of-Way, easements, clearing limits and centerline stationing one week prior to commencement of on-site construction activities. The Contractor shall allow for at least two working days for the Engineer to approve the layout after staking. The Contractor shall assume full responsibility for detailed dimensions, elevations, and excavation slopes measured from these stakes and marks, regardless of Engineer's review and approval.

3. Clearing Limits: Clearing limits shall be marked at major angle points and at intermediate points at approximately 100 foot intervals. Staking of clearing limits is not required if the limits are defined by existing features (i.e. fence, edge of pavement) shown on the Plans and which will not be removed during construction. The clearing limits shall generally be located 5 feet beyond the toe of the fill and 10 feet beyond the top of the cut unless otherwise shown on the Plans.

4. Protected Areas: Wetland boundaries, easements, and other areas to be protected shall be marked at major angle points and at intermediate points at approximately 50 foot intervals. Staking is not required if the limits are defined by existing features (i.e. fence, edge of pavement) shown on the Plans and which will not be removed during construction.

5. Roadway Centerline – Rough Staking: Roadway centerline shall be staked at 50 foot stations on tangents and 50 foot stations on curves. Curves shall be staked with the minimum of three points per curve (PCs, PTs, and PIs). The Contractor's Surveyor shall maintain alignment centerlines at all times and replace hubs, stakes, nails and markings immediately if destroyed, removed, or the Engineer determines the stakes are illegible.

6. Grading Limits (Slope Stakes): Grading limits shall be staked on the centerline at 50 foot intervals. Contractor shall establish offset reference to all slope stakes.

7. Sanitary Sewer and Storm Sewer Structures: Sanitary sewer manholes and storm sewer manholes and catch basins shall be staked with two offset stakes each. Gravity sanitary sewer and storm pipe shall be staked as follows: one stake at 25-foot and one stake at 100-foot stations, as measured upstream from structures. Service stubs shall be staked with two inline stakes. Establish the radius point of all curb returns before staking drainage structures. Radius point stakes shall be marked with the station, offset and radius.

8. Water and Force Mains Water mains and force mains shall be staked at major fitting (angle points) and valves, and at approximately 200-foot intervals. Fire hydrants, service meters and appurtenances shall be staked with a minimum of two inline offsets.

9. Culvert Pipes: Culvert pipes shall be staked at each end of the culvert and at horizontal and vertical angle points.

10. Utility Vaults and Joint Trench: Joint trench (power, gas, communication) will be staked with one set of stakes for all utilities. The staking shall be at 100 foot intervals and at angle points. Two corners of each utility vault will be staked.

11. Curb: Top back of curb shall be staked at grade breaks, center of curb ramps, center of driveway approaches, horizontal intervals not greater than 50 feet in tangent sections, and 25 feet in vertical curve transitions. All horizontal and vertical curves shall have a minimum of three points staked (PC, midpoint, and PT). If curb is not installed the above staking offsets shall apply to edge of pavement.

12. Subgrade and Finished Grade: Subgrade and surfacing elevations shall be set at the top of subgrade and at the top of each course of surfacing. Subgrade and surfacing stakes shall be set at horizontal intervals not greater than 50 feet in tangent sections and 25 feet in curve sections with a radius less than 300 feet, and at 10-foot intervals in intersection radii with a radius of less than 10 feet.

13. Illumination and Traffic Signals: Illumination poles, traffic signal standards shall be staked with two offset stake each. Induction loops shall be staked with one stake.

14. Concrete Retaining, Rock, and Block Walls. Walls shall be staked with a single offset line to the bottom face of wall; at the beginning and end of the wall, horizontal angle points/curves, points of bottom and top of wall changes in elevations, and at approximately 50-foot intervals. The Contractor shall be responsible for verifying points of bottom and top of wall changes in elevations and coordinating adjustments with the Engineer.

15. Guardrail: Guardrail shall be staked for face of guardrail at the beginning and end of all parallel guardrail sections, transition guardrail sections and terminal sections. Intermediate points shall be placed every 100 feet on tangent sections, every 25 feet on horizontal and vertical curves and every 10 feet on curves of less than 50-foot radius.

16. Monuments: The Contractor shall establish the location of monuments shown on the Plans. The Contractor shall be responsible for locating and preserving existing monuments within the right-of-way, which shall include existing property corners on the right-of-way lines. The Contractor shall maintain a complete and accurate reference of all survey markers, monuments, property corners, on this project. The Contractor shall inform the Engineer when monuments are discovered that were not identified in the Plans. All monuments shall be protected throughout the length of the project or be replaced at the Contractor's expense, unless marked on the Plans as to be removed and reset. In the event the Contractor disturbs or destroys any survey marker during the course of construction, not indicated to be removed/replaced on the Plans, the Contractor shall bear all costs of survey, resetting, legal claims, and filing state forms.

    For monuments shown to be removed or destroyed on the Plans, the Contractor's PLS shall file all required permit forms with the Department of Natural Resources (DNR), as required by RCW 58.09.130 and WAC 332-120. The form "Application for Permit to Remove or Destroy a Survey Monument" shall be signed by the PLS, and submitted directly to DNR and the Contracting Agency, within one week of Notice to Proceed. No work affecting monumentation shall commence until DNR has approved the permit. The form "Completion Report for Monument Removal or Destruction" shall be signed by the PLS and submitted to DNR and the Contracting Agency upon completion of work affecting monuments.

    The Contractor shall set the monument case and anchor pipe in accordance with Section 8-13.

17. For all other types of construction included in the Contract (including but not limited to channelization and pavement marking, conduits, junction boxes, control/service cabinets, fences, signing, landscaping, irrigation facilities, and sawcuts), provide staking and layout as required to adequately locate, construct, and check the specific construction activity.

18. Determine and record the horizontal coordinates and top and bottom elevations of utilities encountered during excavations or potholing. Locate all surface utilities in the roadway prism prior to fill or any paving.

    The Contractor shall establish all surveyed points by placing hubs and tacks with marked stakes in unpaved areas or P.K. nails with painted markings in paved areas. All surveying stakes shall be marked in accordance with WSDOT Standard Plan A-10.10-00.

The Contractor shall ensure a surveying accuracy within the following tolerances:

	Vertical	**Horizontal**
Slope Stakes	±0.1 foot	±0.10 foot
Subgrade Grade Stakes Set 0.04 foot Below Grade	±0.01 foot	±0.5 foot (parallel to alignment) ±0.1 foot (normal to alignment)
Stationing on Roadway	N/A	±0.1 foot
Alignment on Roadway	N/A	±0.04 foot
Surfacing Grade Stakes	±0.01 foot	±0.1 foot (parallel to alignment) ±0.1 foot (normal to alignment)
Roadway Paving Pins for Surfacing or Paving	±0.01 foot	±0.1 foot (parallel to alignment) ±0.05 foot (normal to alignment)
Alignment of sewer and storm manholes and catch basins	±.01 foot	±0.1 foot
Walls	±.01 foot	±.04 foot
Curb and Gutter	±.01 foot	±.01 foot

When staking roadway alignment and stationing, the Contractor's PLS shall perform independent checks from different secondary control to ensure that the points staked are within the specified survey accuracy tolerances.

The Contracting Agency may spot-check the Contractor's surveying. These spot-checks shall not change the requirements for accuracy by the Contractor.

If errors are found, or the Engineer determines that the survey Work is insufficient for the project, the Contractor shall correct the errors and/or resolve insufficiencies, which may include removal and replacement of incorrectly installed improvements. All costs incurred to

correct or complete the Work shall be at the Contractor's expense, in accordance with Section 1-05.7.

Payment
Payment will be made in accordance with Section 1-04.1 for the following bid item, when included in the proposal:

Surveying	**Lump Sum**

The lump sum contract price for "Surveying" shall be full pay for all labor, equipment, materials, and supervision utilized to perform the Work specified, including any resurveying, checking, correction of errors, replacement of missing or damaged stakes, and coordination efforts as described above, as shown on the Plans, and herein specified, including resetting markers and/or monuments purposely moved as part of the Work.

1-05.6 Inspection of Work and Materials
(May 2016 Medina GSP)

The following is added after the second paragraph:

See Sections 1-06.1 and 1-06.2, herein.

Failure on the part of the Engineer or his representative to discover and condemn or reject bad or inferior work or materials shall not be construed as acceptance of any such work or material, or the part of the improvement in which the same may have been used.

1-05.7 Removal of Defective and Unauthorized Work
(May 2016 Medina GSP)

This section is supplemented with the following:

If any part or portion of the work done or material furnished under this Contract shall prove defective and not in accordance with the Drawings and Specifications, and if the imperfection in the same shall not be of sufficient magnitude or importance as to make the work dangerous or unsuitable, or if the removal of such work will create conditions which are dangerous or undesirable, the Owner may make such deductions in the final payment therefore, as may be just and reasonable or the Engineer may require remedy as specified herein.

1-05.12 Final Acceptance
(May 2016 Medina GSP)

This section is revised as follows:

Final acceptance of the project by the governing body of the Owner shall constitute final acceptance of the work and materials included in the Contract. The date of final acceptance shall be the date on which the governing body accepts the project.

Final acceptance shall not constitute acceptance of any unauthorized or defective work or materials, nor shall progress estimates be construed as acceptance of any work under this Contract. The Owner shall not be barred from requiring the Contractor to remove, replace,

repair, or dispose of any unauthorized or defective work or from recovering damages for any such work or material. All work shall have a one year warrantee free from defect for a period of one year from the date of final contract acceptance.

1-06 CONTROL OF MATERIAL

1-06.1 Approval of Material Prior To Use
(May 2016 Medina GSP)

This section is supplemented with the following:

A material sources request form must be completed for each type of material, by the Contractor and submitted to the Engineer for approval prior to delivery of the Materials. The Engineer will review the list for approval by referring to the WSDOT's Materials Lab "Materials Sources Data" (MSD) book. If the material source is not listed in the MSD book, the Contractor shall be required to locate other sources or obtain approval for the source from WSDOT Materials Lab and provide notice of such approval to the Engineer all at no expense to the OWNER.

1-06.1(1) Qualified Products List (QPL)
(May 2016 Medina GSP)

This section is supplemented with the following:

Unless specifically stated otherwise, reference to any equipment, material or article, or trade name, make or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. If the Contractor desires to use other products as equal thereto, the Contractor shall submit to the Engineer the name of the manufacturer, the model number, and other identifying data and information respecting the performance capacity, nature, and rating of the machinery and mechanical and other equipment which the Contractor contemplates incorporating in the work.

In addition to notification of material suppliers and fabricators, the Contractor shall also furnish for the Engineer's review and approval all required shop drawings.

Shop drawings are defined as drawings or data which illustrate how specific items shall be fabricated, manufactured, or installed. Shop drawings shall be required for all shop or field fabricated or manufactured items and shall include all information necessary for the fabrication and installation of the item and to show conformance with these contract documents. The information shall include, but not be limited to:

(a) For fabricated items, or those constructed in place, component sizes, layout, materials, and connection details including, but not limited to, connectors, weld type, and reinforcement schedules and sizes.

(b) Shop drawings for reinforced concrete structures shall include, but not be limited to, reinforcement bending and placing drawings.

(c) Manufacturers' standard catalog information and details may be submitted; however, standard manufacturers' information and advertising literature may not necessarily be sufficient.

In addition to the above, the Contractor shall note any required exceptions to the Contract and required deviations from the Contract Plans, and any required modifications to other details that would result from the required exception or deviation.

Any material(s) which constitute "(valuable) formulae, designs, drawings, and research data" so as to be exempt from public disclosure, RCW 42.17.310, or any materials otherwise claimed to be exempt, must be clearly identified and be accompanied by a written statement of the basis for such claim of exemption. The Engineer will give notice to the supplier of any request for disclosure of such information received within five (5) years from the date of submission. Failure to so label such materials or failure to timely respond after notice of request for public disclosure has been given shall be deemed a waiver by the submitting of any claim that such materials are, in fact, so exempt.

To be "clearly identified" the material must be submitted in a separate envelope with the outside stamped or printed with the words “PROPRIETARY INFORMATION INSIDE.” Blank pages should be inserted in the submittal where proprietary information is required to provide continuity in the submittal. All pages should be numbered in sequence including proprietary pages.

Shop Drawings Submittal Procedure. The Contractor shall review and sign all shop drawings to certify that he has reviewed the shop and supplemental drawings submittal and submit them to the Engineer attached to a shop drawing transmittal form noting the item name, quantity, location by drawing number and section in the Specifications where the item is specified. Four copies shall be submitted.

Following review of the shop drawings, the Engineer will indicate appropriate action to be taken by the Contractor and return three copies to the Contractor. If revisions are required, the Contractor shall follow the same procedure for the resubmittal as for the original submittal. A minimum of ten (10) working days shall be allowed for the Engineer to review each submittal and resubmittal.

The Contractor shall be responsible for insuring that items submitted for shop drawings submittal meet the requirements of the contract documents and that the shop drawings information is complete and accurate. For each item requiring shop drawing submittal, the Engineer will make up to two reviews at no cost to the Contractor. If a third review is required, the expense of that and any subsequent reviews will be borne by the Contractor. The Contractor will be billed at the Engineer's current rates.

Approval of shop drawings by the Engineer is only for general conformance with the design concept of the product and general compliance with the information given in the Contract Documents. Any action shown is subject to the requirements of the Plans and Specifications. The Contractor is responsible for dimensions which shall be confirmed and correlated at the job site, coordination of his work with that of all other trades, and the satisfactory performance of his work.

Samples. Samples are defined as physical examples to illustrate materials, equipment, or workmanship, and to establish standards by which completed work is judged. Samples

submitted shall be of sufficient size and quantity to clearly illustrate functional characteristics of products or materials and full range of colors available.

1-06.2 Acceptance of Materials

1-06.2(1) Samples and Tests for Acceptance
(May 2016 Medina GSP)

This section is revised to read as follows:

All of the work, under this contract, shall be fully tested in accordance with the Specifications. All material sources, fabrication, material certifications and inspections shall conform to WSDOT "CONSTRUCTION MANUAL".

All sampling and testing necessary to determine and describe the characteristics of materials before installation shall be performed by a qualified laboratory retained by the Contractor. Such sampling and testing shall be as necessary to provide evidence of compliance with the requirements of the Specifications.

All sampling and testing necessary to determine results of construction techniques and procedures shall be performed by a qualified laboratory retained by the OWNER. All costs for such testing and evaluation for materials found to not be in conformance and all costs for removal, replacement, rework or modification of techniques and procedures to achieve conformance shall be at the Contractor's expense.

1-06.2(2) Statistical Evaluation of Materials for Acceptance
(May 2016 Medina GSP)

This section is deleted in its entirety.

1-06.4 Handling and Storage of Materials
(May 2016 Medina GSP)

This section is supplemented with the following:

Neither the Owner nor any of its officers, employees, or agents are responsible for collecting indemnity from any person or persons causing damage to the work, supplies, materials, or equipment of the Contractor.

1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

1-07.1 Laws to be Observed
(May 2016 Medina GSP)

The following is added at the end of the first paragraph:

The Contractor shall save the Owner and any agents or authorized representatives or employees thereof harmless from all suits and actions of every kind and description that might result from any violations or noncompliance of any such laws, ordinances, or regulations whether such violations of noncompliance are by the Contractor, his

subcontractors, or employees and shall identify, defend, and pay the expense of any suit which may be commenced against the Owner and any agents or authorized representatives, officers, or employees by any person as a result of such violations or noncompliance.

The following is added at the end of the last paragraph:

The Contractor shall at all times provide proper facilities for safe access to the work by authorized government officials.

The Contractor shall do all work necessary to protect the general public from hazards, including, but not limited to, surface irregularities or unramped grade changes in pedestrian sidewalk or walkway, and trenches or excavations in roadway. Barricades, lighting, and proper signs shall be furnished in sufficient amount to safeguard the public and the work.

The performance of all work and all completed construction, particularly with respect to ladders, platforms, structure openings, scaffolding, shoring, lagging, machinery guards and the like, shall be in accordance with the applicable governing safety authorities.

During construction, the Contractor shall construct and at all times maintain satisfactory and substantial temporary fencing, solid fencing, railing, barricades, steel plates, delineators, or cones, as applicable, at all openings, obstructions, or other hazards in streets, sidewalks, and walkways. All such barriers shall have adequate warning lights and reflective markings as necessary, or required, for safety. All material shall be in good and useable condition.

1-07.2 State Taxes

Delete this section, including its sub-sections, in its entirety and replace it with the following:

1-07.2 State Sales Tax
(June 27, 2011 APWA GSP)

The Washington State Department of Revenue has issued special rules on the State sales tax. Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should contact the Washington State Department of Revenue for answers to questions in this area. The Contracting Agency will not adjust its payment if the Contractor bases a bid on a misunderstood tax liability.

The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2) describes this exception.

The Contracting Agency will pay the retained percentage (or release the Contract Bond if a FHWA-funded Project) only if the Contractor has obtained from the Washington State Department of Revenue a certificate showing that all contract-related taxes have been paid (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor any amount the Contractor may owe the Washington State Department of Revenue, whether the amount owed relates to this contract or not. Any amount so deducted will be paid into the proper State fund.

1-07.2(1) State Sales Tax — Rule 171

WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets, roads, etc., which are owned by a municipal corporation, or political subdivision of the state, or by the United States, and which are used primarily for foot or vehicular traffic. This includes storm or combined sewer systems within and included as a part of the street or road drainage system and power lines when such are part of the roadway lighting system. For work performed in such cases, the Contractor shall include Washington State Retail Sales Taxes in the various unit bid item prices, or other contract amounts, including those that the Contractor pays on the purchase of the materials, equipment, or supplies used or consumed in doing the work.

1-07.2(2) State Sales Tax — Rule 170

WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or existing buildings, or other structures, upon real property. This includes, but is not limited to, the construction of streets, roads, highways, etc., owned by the state of Washington; water mains and their appurtenances; sanitary sewers and sewage disposal systems unless such sewers and disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above streets or roads, unless such power lines become a part of a street or road lighting system; and installing or attaching of any article of tangible personal property in or to real property, whether or not such personal property becomes a part of the realty by virtue of installation.

For work performed in such cases, the Contractor shall collect from the Contracting Agency, retail sales tax on the full contract price. The Contracting Agency will automatically add this sales tax to each payment to the Contractor. For this reason, the Contractor shall not include the retail sales tax in the unit bid item prices, or in any other contract amount subject to Rule 170, with the following exception.

Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or a subcontractor makes on the purchase or rental of tools, machinery, equipment, or consumable supplies not integrated into the project. Such sales taxes shall be included in the unit bid item prices or in any other contract amount.

1-07.2(3) Services

The Contractor shall not collect retail sales tax from the Contracting Agency on any contract wholly for professional or other services (as defined in Washington State Department of Revenue Rules 138 and 244).

1-07.6 Permits and Licenses

(May 2016 Medina GSP)

This section is supplemented with the following:

The Contractor shall apply and pay for “Right-of-Way /Street Excavation Application & Permit” and any other agency permits or licenses, which may be required, during the course of the Contract.

1-07.9 Wages

1-07.9 (1) General
(May 2016 Medina GSP)

Delete all of this Section beginning with the ninth paragraph, which begins with the words “In the event”, to the end of the Section.

1-07.11(3) through (12) Equal Employment Opportunity Responsibilities
(May 2016 Medina GSP)

These sections are deleted.

1-07.13 Contractor's Responsibility for Work

1-07.13(1) General
(May 2016 Medina GSP)

The following is added:

> In case of failure on the part of the Contractor to promptly and satisfactorily make good such damage or injury, the Owner may without notice to the Contractor proceed to repair, rebuild, or replace such property as may be deemed necessary and the cost thereof will be deducted from any monies due or which may become due the Contractor under the Contract.

1-07.13(3) Relief of Responsibility for Damage by Public Traffic
(May 2016 Medina GSP)

This section is deleted.

1-07.13(4) Repair of Damage
(May 2016 Medina GSP)

This section is revised as follows:

> The Contractor shall look to the individual(s) whose actions have resulted in the damage for relief or compensation and shall not seek relief or compensation from the Owner or its agents or representatives.

1-07.14 Responsibility for Damage
(May 2016 Medina GSP)

The words “State, Governor, Secretary, Commission, and all officers and employees of the State” are amended to read “The Owner, its representatives, and all officers and employees of the Owner”.

Add the following new section:

1-07.14(1) Attorney's Fees (New Section)
(May 2016 Medina GSP)

The Owner and Contractor each agree that in the event either of said parties brings an action in any court arising out of this Contract, the prevailing party in any such law suit shall be entitled to an award of its cost of defense, including but not limited to attorney's fees.

Add the following new section:

1-07.14(2) Use of Completed Portion (New Section)
(May 2016 Medina GSP)

The Owner reserves the right to use and occupy any portion of the improvements which have been completed sufficiently to permit use and occupancy and such use and occupancy shall not be construed as an acceptance of the work as a whole or any part thereof. Any claims which the Owner may have against the Contractor shall not be deemed to have been waived by such use and occupancy.

1-07.16 Protection and Restoration of Property

1-07.16(1) Private/Public Property
(May 2016 Medina GSP)

The following is inserted at the beginning of the section:

The Contractor shall make arrangement at his own expense for the use of all haul routes. The Contractor shall be responsible for obtaining all permits for his use of public thoroughfares and shall conform to the requirements of all governing ordinances, codes, and regulations thereof. All haul routes shall be maintained and restored to their original condition if the condition of the roadway is damaged or otherwise affected due to the Contractor's operation. All such work shall be incidental to the Contract and shall be completed at the Contractor's expense.

(*****)
This section is supplemented with the following:

The Contractor will be required to coordinate with property owners and tenants, and the Contracting Agency, and should expect restrictions on timing or rescheduling of some service disruptions. All costs associated with coordinating this work shall be considered incidental to the Contract.

Private properties may be used by the Contractor only if Contractor makes the arrangements with the legal owner(s) of each property. Use and restoration of such property shall be in accordance with the stipulations of the agreement between the Contractor and the property owner. Before using any private property, the Contractor shall submit to the Engineer a copy of the written permission of the property owner; upon vacating the premises, the Contractor shall submit to the Engineer a release from all damages, properly executed by the property owner. The Contractor shall save the Contracting Agency harmless from all suites and actions of every kind and description that might result from use of private property.

Contractor shall take care not to disturb existing irrigation systems. Prior to beginning excavation or ground disturbance activities in the vicinity of known or suspected irrigation systems, the Contractor must inform the Engineer and agree on what existing improvements must be removed and replaced. All irrigation pipe and fittings must be cut and/or capped at the edge of the excavation area; impacts beyond those pre-agreed to are not allowed, and such impacts shall be repaired at the sole expense of the Contractor.

Disturbed grass areas shall be restored with sod. Existing plant material shall be salvaged prior to disturbance, where feasible, and replanted following the installation of improvements. Where it is not feasible to salvage existing plant material, new plant material shall be provided that is compatible to the existing landscaping as approved by the Engineer. All materials shall conform to the applicable portions of Section 9-14 and 9-15 of the Standard Specifications.

1-07.17 Utilities And Similar Facilities
(May 2016 Medina GSP)

The section is supplemented with the following:

Locations and dimensions shown in the Plans for existing buried facilities are in accordance with available information obtained without uncovering. The actual locations may not correspond to the locations shown in the Plans. The Contractor shall be responsible for determining the exact location of all utilities prior to beginning construction. See RCW 19.122 for the latest rules on contacting the one-number locator service, etc.

The Contractor is also warned that there may be utilities on the project that are not part of the One-Call System. If One-Call is not obtainable, notice shall be provided to the individual utility owners of the Contractor's intent to excavate, within the same time frame cited in RCW 19.122.030.

All existing utilities shall be maintained in continuous service during the Contractor's operations, unless the Contractor receives written approval from the utility owner for interruption of service, and gives a minimum of forty-eight (48) hours notice to the Engineer, the appropriate utility, the private property owner, and any affected tenants.

All work by the Contractor adjacent to or in the vicinity of existing utilities shall be performed in accordance with the requirements of the utility owners. The Contractor shall coordinate with the utilities all work that is affected by their facilities and appurtenances.

The Contractor shall anticipate that the requirements of the owners of existing utility systems may hinder, delay and complicate execution of the work. The Contractor shall not be entitled

to an extension of time or to any claim for damages because of failure to coordinate the work other than for delays and complications caused by or resulting from requirements imposed by the owners of the utility systems.

Notifications relative to the Contractor's activities shall be written, with a copy delivered to the Engineer.

Where the Contractor's operation could cause damage or inconvenience to a utility or is required to move or modify their improvements, the Contractor shall coordinate his work with that of the utility.

The Contractor shall notify utilities at least one (1) week in advance of beginning work that could affect their facilities or operations. If the Contractor is required to disrupt individual utility services, he shall provide 24-hour prior notice to the affected property owner and the Engineer. No interruption of utility service will be allowed outside of working hours without prior approval. The Contractor shall cooperate with the utility to restore any service accidentally damaged or disrupted by the Contractor's activities.

No utility shall be exposed without permission from the appropriate agency. Once permission has been granted, locate, expose, and provide temporary support for all existing utilities. Below are listed some of the major utilities in the area. The list is provided for the Contractor's convenience and is not necessarily a complete list of all utilities that will be encountered. Verify addresses and contacts. The notification shall include the Contractor's Construction Schedule, time of commencement and completion of work for each salient feature of the work, names of streets affected by the work, traffic control plans, and the name and telephone number of the construction superintendent in responsible charge or other individuals having full authority to execute the orders or directions of the Contractor.

Puget Sound Energy (Gas & Power)
PO Box 90868
Bellevue, Washington 98009-0868
Attention: Jeff McMeekin
Telephone: (425) 462-3824; Emergency 1-800-552-7171

Comcast
3414 California Street, Everett, Washington 98201
Attention: Jill Look
Telephone: (425) 317-9601 ext 250; Cell 206-396-6032

Century Link
1550 Newport Way NW, Issaquah, WA 98027
Attn: Jennifer Johnson
Telephone: 206-346-6537; Cell: 206-941-0368

City of Bellevue Utilities (Water and Sewer)
Attention: Abe Santos
Telephone: (425) 452-6456

The Contractor shall further obtain names and notify Northwest Kidney Center patients (if any live within the project area) who currently have dialysis machines in their homes two (2) days before beginning any work that could affect utility service to their homes and two (2)

days in advance of scheduled interruptions of utility services to their homes due to the Contractor's operations. Should the time for disruption be unsatisfactory to the property owner and the reason for the request by the property owner for delay be determined by the Engineer to be reasonable, the Contractor shall reschedule the work. The potential for delays of this type shall be taken into consideration when the Contractor is preparing his bid and all costs shall be included in the price stated in the Proposal. Individual utility services may not be shown on the Plans.

The Contractor shall be responsible to maintain all existing power, cable TV, telephone, water services, and fire hydrants in operation at all times.

1-07.18 Public Liability and Property Damage Insurance
(May 2016 Medina GSP)

Delete this section in its entirety, and replace it with the following:

1-07.18 Insurance

The Contractor shall obtain and keep in force during the term of the Contract all insurance required in these Specifications. The insurance shall be with companies or through sources approved by the Washington State Insurance Commissioner pursuant to Title 48 RCW.

The Contractor shall not commence work under the Contract or under any special condition until all insurance required has been obtained and until such insurance have been approved by the Owner. Nor shall the Contractor allow any subcontractor to commence work until all similar insurance required of the subcontractor has been obtained and approved, or the Contractor has insured the activities of his subcontractors in his own insurance policies.

At the time the Contractor submits his Agreement as provided in Section 1-03.3, the Contractor shall furnish the Owner with an executed Certificate and shall include certified copies of insurance policies required under the terms and conditions of the Contract. If certified copies are not immediately available, non-certified copies may be submitted; however, certified copies must be submitted prior to the first request for payment under the Contract.

All insurance policies shall be endorsed to provide that the policy shall not be cancelled, allowed to expire, reduced, or allowed to be materially changed in coverage until after thirty (30) days prior written notice has been given to the Owner by certified mail.

Nothing contained in these insurance requirements is to be construed as limiting the extent of the Contractor's responsibility for payment of damages resulting from his operations under this Contract even if they are in excess of the minimum coverages contained herein.

All cost for insurance shall be incidental to the bid items and included as part of the unit price or lump sum bid amounts.

In the event the Contractor is required to make corrections on the premises after the project has been inspected and accepted, he shall obtain at his own expense, and prior to commencement of any corrective work, full insurance coverage as specified herein.

All insurance policies providing coverage for this Contract shall be endorsed to include as Additional Insured the Owner, his officers, agents, representatives, and employees as primary and not excess to any insurance issued.

Coverages
The Contractor shall obtain and keep in force during the life of the Contract Comprehensive General and Automobile Bodily Injury (inclusive of Personal Injury) Liability Insurance and Comprehensive General Property Damage Liability Insurance in companies and in form to be approved by the Owner. Said insurance shall provide coverage to the Contractor, any Subcontractor performing work provided by this Contract, and the Owner.

The insurance coverages shall protect against all claims for damages for bodily and personal injury, including death or accidental death resulting therefrom, as well as claims for property damage, which may arise directly or indirectly from operations, acts or omissions under this Contract, whether such operations be by the Contractor or by any subcontractor or by anyone directly employed by either of them, it being understood that it is the Contractor's obligation to enforce the requirements of this article as respects any subcontractor.

The minimum policy limits of such insurance shall be as follows:

1. Comprehensive General and Automobile Bodily Injury (inclusive of Personal Injury) Liability Insurance on an occurrence basis of not less than Two Million Dollars ($2,000,000.00) for bodily injury, sickness, or disease, including death resulting therefrom, sustained by each person, and for limits of not less than Two Million Dollars ($2,000,000.00) for each occurrence, no deductible.

2. Comprehensive General Property Damage Liability Insurance on an occurrence basis for limits of not less than Two Million Dollars ($2,000,000.00) for damage to or destruction of property, including loss of use thereof, arising from each occurrence, and in an amount of not less than Two Million Dollars ($2,000,000.00) in aggregate, no deductible.

3. Comprehensive Automobile Property Damage Liability Insurance on an occurrence basis for limits of not less than Two Million Dollars ($2,000,000.00) for damage to or destruction of property, including loss of use thereof, arising from each occurrence, no deductible.

The insurance shall include the following minimum coverages, and the following endorsements shall be included in all applicable policies and all Certificates of Insurance:

1. Comprehensive Form with Extended Bodily Injury.

2. Premises/Operations Liability (M&C).

3. Explosion and Collapse "X" and "C" Hazards which shall cover injury to or destruction of any property arising out of blasting or explosion, and injury to or destruction of any property arising out of the collapse of/or structural injury to any building or structure due:

    a. To excavation, including borrowing, filling or back-filling in connection therewith, or tunneling, pile driving, cofferdam work, or caisson work, or
    b. To moving, shoring, underpinning, raising, or demolition of any building or structure, or removal or rebuilding of any structural support thereof.

4. Underground "U" Hazard which shall include:

    a. Injury to or destruction of wires, conduits, pipes, mains, sewers, or other similar property or any apparatus in connection therewith, below the surface of the ground, if such injury or destruction is caused by and occurs during the use of mechanical equipment for the purpose of excavating or drilling, or
    b. Injury to or destruction of property at any time resulting therefrom.

5. Products and Completed Operations Hazard Liability (through guarantee period).

6. Broad Form Property Damage Liability (including completed operations).

7. Personal Injury-Including I.S.O. Form coverage A, B, and C without (c) exclusion.

8. The Comprehensive Automobile (and Aircraft, if utilized) Liability Insurance shall include the following coverages:

    a. Comprehensive Form with Extended Bodily Injury
    b. Owned
    c. Leased or Hired
    d. Non-Owned
    e. Garage Liability

9. Contractor's Protective Liability/Blanket Contractual Liability

10. Cross Liability Clause

11. If the project requires working over water, the following additional coverages are required:

    a. Watercraft, owner and non-owned
    b. U.S. Harborworkers/Longshoremen and Jones Act

12. Owner as Insured and Others as Insured when called for in the Certificate of Insurance in the Agreement Forms.

Excess Liability Insurance that may be required to meet the minimum policy limits specified above shall provide the same coverages specified for both Comprehensive General Property Damage Liability Insurance and for Comprehensive General and Automobile Liability Insurance.

Compensation Insurance
The Contractor shall maintain during the life of this Contract the statutory Workers' Compensation Insurance or shall be a State of Washington qualified self-insured Contractor for workers, in which case complete details of the insurance shall be provided under Other Insurance on the Certificate of Insurance. If any class of employees engaged in hazardous work under this Contract are not protected by Workers' Compensation statutes, the Contractor shall provide and shall cause such subcontractors to provide compensation insurance in an amount equivalent to that provided for other similar employees under Workers' Compensation Insurance.

In addition, the Contractor shall provide Employer's Liability or "Stop-Gap" Insurance in an amount not less than $100,000 for each occurrence, for all of his employees to be engaged in work on the project under this Contract and, in case any such work is sublet, the Contractor shall require the subcontractor similarly to provide Workers' Compensation and employer's Liability Insurance for all of the latter's employees to be engaged in such work.

See Section 1-07.10, Worker's Benefits, for additional provisions.

Builders Risk All Risk Insurance
The Contractor may secure and maintain at his option, Builders Risk All Risk Insurance coverage.

1-07.22 Use of Explosives
(May 2016 Medina GSP)

Delete this section in its entirety, and replace it with the following:

No explosives are authorized for use within the City of Medina.

1-07.23 Public Convenience and Safety
(May 2016 Medina GSP)

This section is supplemented with the following:

When performing work in streets and rights-of-way, the Contractor shall notify all of the affected agencies in regard to his operations so as to properly coordinate and expedite his work in such a manner as to cause the least amount of conflict and interference between his operations and those of other agencies.

The Contractor shall notify the Engineer, Medina Police Department, the Bellevue Fire Department, and Allied Waste Management one (1) week before and at the time of the closing or partial closing of any street or right-of-way. No closing or partial closing shall be made without the Engineer's approval.

The Contractor shall also be responsible for coordination with utilities and any of the following agencies affected by his construction activities. Affected agencies shall be given notification five (5) working days prior to and of all activities involving detours, traffic control, traffic delays, etc., and shall include the locations, time of day, specific days, and estimated time vehicles may be delayed.

Bellevue Utilities
450 110th Ave NE
Bellevue, WA 98004
Attn: Abe Santos
(425) 452-6456

Bellevue School District 405
12037 NE 5th St.
Bellevue, Washington 98005
Telephone: (425) 456-4501

Bellevue Christian School
7800 NE 28th Street
Medina, Washington 98039
Attention: Steve Kennedy
Telephone: (425) 454-3977

U.S. Post Office
1171 Bellevue Way
Bellevue, Washington 98004
Telephone: (425) 453-5655

The Contractor shall be responsible for providing adequate safe-guards, safety devices, protective equipment, and any other needed actions to protect the life, health, and safety of the public, and to protect property in connection with the performance of the work covered by the contract. The Contractor shall perform any measures or actions the Engineer may deem necessary to protect the public and property. The responsibility and expense to provide this protection shall be the Contractor's.

A traffic control plan is required for all work, including detours that will affect vehicular or pedestrian traffic. The Contractor shall submit a plan not later than ten (10) days prior to start of construction to the Engineer. The traffic control plan shall conform to the current edition of the MUTCD Manual. The Engineer will approve, reject or modify said plan not later than five (5) days prior to start of construction. The Engineer may direct that changes be made in the approved traffic control plan at any time during the course of construction and will inform the Contractor of such changes in writing.

Complaints received by the Owner or Engineer concerning public inconvenience or safety hazards will be referred to the Contractor for immediate corrective action. In addition to normal working hours, corrective actions shall be taken on Saturday, Sunday, holidays, and at other times outside normal work hours.

Upon determination that a public inconvenience or safety hazard exists and upon inability to contact the Contractor after reasonable effort to do so, or upon failure of the Contractor to immediately correct the unsatisfactory condition, the Engineer may without notice to the Contractor or his Surety correct the unsatisfactory condition and deduct the costs thereof from any payments due or coming due to the Contractor.

When construction operations are such that debris from the work is deposited on the streets, or tack coat is applied, the Contractor shall remove or cover on a daily basis, or more

frequently as required, any deposits or debris on the roadway surface. The Contractor shall, if necessary, provide facilities for and remove all gravel, soil, oil, tack coat or other deposits from the tires or between wheels before trucks or other equipment travel over other paved streets. Streets shall be swept clean and shall not be hosed down, unless otherwise approved.

Emergency traffic such as police, fire and disaster units, shall be provided access at all times. In addition, the Contractor shall coordinate Contractor activities with all disposal firms and transit bus service, which may be operating in the project area. Safe and convenient access to bus zones shall be provided and maintained at all times by the Contractor. The Contractor shall be liable for any damages, which may result from failure to provide reasonable access or coordination.

Existing traffic control and street name signs, which interfere with construction shall be relocated or removed by the Contractor and temporarily stored in a safe place. When "Stop", "Yield", and "One-Way" signs are removed, they shall be relocated immediately. Existing signs shall not be removed until the Contractor has provided temporary measures sufficient to safeguard and direct traffic after the existing signs have been removed. Except as otherwise provided in the Contract Documents, preservation and maintenance of traffic control and street name signs shall be the sole responsibility of the Contractor.

As work progresses and permits, temporarily relocated or removed traffic and street name signs shall be reset in their permanent location by the Contractor. Signs and other traffic control devices damaged or lost by the Contractor shall be replaced or repaired by the Contractor at no cost to the Owner. The option whether a sign can be repaired or shall be replaced shall be the Engineer's and such decision shall be final and binding on the Contractor.

When paint lines or other pavement markings are obliterated due to construction activities or pavement restoration, temporary pressure-sensitive pavement marking tape, traffic buttons, or delineators shall be installed. These temporary features shall be removed prior to final asphalt paving or upon installation of permanent traffic markings.

Where, in the opinion of the Engineer, parking is a hazard to through traffic, or to the construction work, parking may be restricted either entirely or during the time when it creates a hazard. Signs for restricting parking shall be approved by the Owner and placed by the Contractor. The Contractor shall be responsible for and shall maintain the signs, if they are used in any street, which is directly involved in the construction work. If parking signs are used beyond the confines of the work area, such as in another street being used as a detour, the signs will be the responsibility of the Contractor. The placement of signs restricting parking shall be as approved by the Engineer.

1-08 PROSECUTION AND PROGRESS

Add the following new section:

1-08.0 Preliminary Matters (New Section)
(May 2016 Medina GSP)

1-08.0(1) Preconstruction Conference

Within 10 days after the date of Notice of Award and before the Contractor starts any work at the site, the Contractor shall attend a Preconstruction Meeting with the Engineer and others as appropriate. The Engineer will provide the Contractor 3 working days prior notice of the date, time, and place of the meeting.

1-08.0(2) Hours of Work

No construction work, including the starting or moving of equipment, shall take place after 4:30 p.m. or before 7:30 a.m. Monday through Friday and after 4:30 p.m. or before 8:00 a.m. on Saturdays. No work shall take place on Sundays, and legal holidays, in accordance with City ordinances. Exceptions may be granted by the Engineer in special circumstances or bona fide emergency situations.

1-08.0(3) Reimbursement for Overtime Work

Whenever the work begins prior to 7:30 a.m. or extends beyond 4:00 p.m. on a regular working day, reimbursement for overtime of the Engineer or inspectors shall be required.

1-08.0(4) Weekly Meetings

Weekly meetings shall be held at a mutually agreed location, day of the week and time, either the Contractor's Field Office or the City offices. The purposes of the meetings will be to discuss the work, resolve any quantity or payment issues, review the Contractor's Progress Schedule, and review the record drawings. The Contractor shall produce an agenda for each meeting and deliver it to the Engineer the day before the meeting.

1-08.3 Progress Schedule
(May 2016 Medina GSP)

This section is revised as follows:

Within ten (10) days after the date of receipt of Notice of Award and prior to the Preconstruction Conference, the Contractor shall prepare and submit to the Engineer for review a practical schedule, showing the order in which the Contractor proposed to carry on the work, the date on which he will start the several salient features (including the procurement of materials, plant, and equipment), and the contemplated dates for completing the same. The schedule shall be prepared in Critical Path, PERT, or Bar Graph format and shall be kept current with each submittal, and at least include the following information:

1. The various classes and areas of work, broken down into:
   a. Times for pre-construction field site surveys and construction staking
   b. Times projected for submittals, approvals, and procurement.

c. Times for completion of various construction items
d. Times for testing and inspection.

2. The work to be completed and the work remaining to be done to complete the project.

3. Any items of work, which will delay the start or completion of other major items of work so as to delay completion of the whole project.

Also as a minimum, the following shall be shown as separate items:

- Pre-construction field surveys
- Construction staking and layout of work
- Construction on each particular phase or schedule
- Notifications of affected property owners on each street
- Preparation Work
- Pavement removal, rebasing and patching
- Curb installation
- Sidewalk installation showing each of the construction sequence steps
- Final paving on each street
- Utility adjustments and restoration along each street.
- Final cleanup.

The Contractor shall review the Progress Schedule with the Engineer at the weekly site meetings. An updated Progress Schedule showing actual times and activities shall be submitted with each pay submittal. A pay submittal shall not be considered complete or payable without an updated Progress Schedule.

If, in the opinion of the Engineer, the Contractor falls behind the progress schedule, the Contractor shall take such steps as may be necessary to improve his progress and the Engineer may require him to submit for approval such supplementary schedule or schedules in chart form as may be necessary to demonstrate the manner in which the agreed rate of progress will be regained, all without additional cost to the Owner.

Should it become evident at any time during construction that operations will, or may fall behind the current schedule, the Contractor shall promptly take such steps as may be necessary to improve his progress including without limitation, overtime operations, increasing the day of work, or the amount of construction planned, or all of them, and to submit for approval such supplementary schedule or schedules in the form specified as may be necessary to show the operations, methods, and equipment, by which time lost will be made up, all without additional cost to the Contracting Agency.. Further, if at any time any portion of the schedule is found to conflict with the Contract provisions, it shall be revised by the Contractor and the work shall be performed in compliance with the Contract provisions. Failure to update the schedule when required shall be just cause for withholding of payment of further estimates to the Contractor until a modified schedule has been provided by the

Contractor. Execution of the work according to the schedule of construction is an obligation of the Contract.

The review of the progress schedules by the Engineer shall not relieve the Contractor of responsibility for completing the work within the Contract time and shall not be construed as a waiver or modification of any provisions or requirements of the Contract.

Equipment and forces shall be made available by the Contractor to carry out the schedule to completion of the Contract within the time specified in the Proposal.

1-08.5 Time for Completion
(May 2016 Medina GSP)

This section is revised as follows:

Completion shall be understood to mean 'physical completion in all respects.'

The contract time shall commence on the date stated in the Notice to Proceed. The improvement contemplated by the Contract shall be completed in its entirety within the working days or on the date(s) specified in the Proposal. The Date for Completion, as defined hereinafter shall end the contract time when used to determine the time taken for completion of the work.

If all work is satisfactorily completed within the Contract time, no action need be taken by either the Contractor or the Owner with respect to an extension of time or liquidated damages.

The Date for Completion of contract work shall be that date upon which all work and the incorporation of materials under the provisions of the Contract are considered as being completed. The Engineer will inform the Contractor if His request for Completion is not deemed complete by the Engineer. Consideration by the Engineer of the Date of Completion will not constitute Final Acceptance of Construction by the Owner, but shall end the contract time when used to determine the time taken to complete work.

1-08.8 Extensions of Time
(May 2016 Medina GSP)

The following is added after the second paragraph:

No extension of time will be granted to the Contractor for delays occurring to parts of the work that have no measurable impact on the completion of the total work under this Contract; nor will extension of time be granted for delays to parts of work that are not located on the critical path if the Critical Path Method (CPM) is used for scheduling the work.

1-08.9 Liquidated Damages
(May 2016 Medina GSP)

This section is revised as follows:

Should the Contractor fail to complete the work, or any part thereof, in the time agreed upon in the Contract or within such extra time as may have been allowed for delays by extensions

granted as provided in the Contract, the Contractor shall reimburse the Owner for the additional expense and damage for each working day that the Contract remains uncompleted after the expiration of the Contract time. It is agreed that the amount of such additional expense and damage incurred by reason of failure to complete the work within the Contract time shall be as shown in the Proposal. The said amounts are hereby agreed upon as liquidated damages for the loss to the Owner on account of expense due to the employment of Engineers and other employees after the expiration of the time of completion, and on account of the value of the operation of the works dependent thereon and other expenses incurred because of the delay. It is expressly understood and agreed that this amount is not to be considered in the nature of a penalty, but as liquidated damages which have accrued against the Contractor. The Owner will have the right to deduct such damages from any amount due, or that may become due the Contractor, or the amount of such damages shall be due and collectible from the Contractor or his Surety.

1-09 MEASUREMENT AND PAYMENT

1-09.1 Measurement of Quantities

Add the following new section:

1-09.1(2) Estimated Quantities (New Section)

(May 2016 Medina GSP)

The estimated quantities shown in the bid forms are estimates only, being given only as the basis for the comparison of bids, and the Owner does not warrant, expressly or by implication, that the actual amount of work will correspond therewith. The right to increase or decrease the amount of any class or portion of the work, or to make changes in the work required as may be deemed necessary is reserved by the Owner as provided elsewhere in these Specifications. The basis of payment will be the actual work performed and measured in accordance with the contract.

1-09.2 Weighing Equipment

(May 2016 Medina GSP)

This section is revised as follows:

All scales for weighing of materials shall be certified as to accuracy within 3 months of their use and all such testing and certifications shall be submitted to the Engineer for his review prior to their use. Each scale location and type, style, manufacturer, and operator shall be submitted along with the certification.

Unless otherwise specified, only commercial certified scales shall be utilized and the Contractor shall be responsible for providing qualified personnel to monitor same.

Only appropriately serial numbered tickets as approved by the Engineer shall be utilized. The tickets shall state the project name, date, time of scaling, location of the scale, scalepans name, truck number, gross weight, tare weight, net weight, and shall clearly indicate the material being furnished and its source. The truck driver shall deliver the ticket to the Engineer or his authorized representative prior to dumping his load. Only those materials delivered and incorporated into the work which are acceptable to the Engineer will be included for payment and only those tickets received which indicate the above required

information and are dated and signed by the Engineer on the date of delivery will be considered for payment.

The Contractor is hereby cautioned that any materials delivered to the construction site which are not provided from an approved source as listed in the Contractor's source submittal, which was to be submitted to the Engineer and reviewed prior to its delivery as provided in Section 1-06, or are unsuitable as determined by the Engineer, will not be considered for payment and shall be removed from the construction site. Failure of the Engineer or his authorized representative to reject material which is delivered to the site and/or incorporated into the work which does not meet the Contract Specifications shall in no way relieve the Contractor of his responsibility to provide, install, and complete the work all in conformance with the Contract Documents, nor shall the acceptance of tickets or partial payment for said materials be considered as acceptance of the materials as further defined in Section 1-05.7.

1-09.3 Scope of Payment
(May 2016 Medina GSP)

The following is added to the second paragraph:

For defective work see Section 1-05.7, Removal of Defective and Unauthorized Work.

1-09.4 Equitable Adjustment
(May 2016 Medina GSP)

The following is added before the first paragraph:

The Owner may authorize extra work or decrease the amount of work without invalidating the Contract by adding to or deducting from the work within the Contract. All work of the kind bid upon shall be paid for at the prices stated in the Proposal, and no claim for any extra work shall be allowed except as may be allowed elsewhere in the Contract Documents.

When the Engineer determines a change in the work is anticipated, which is beyond the scope of work contained in the Contract Documents, a Change Order shall be processed which shall define the scope of the change, the method of payment, either additional or deductive, and shall be signed by the Contractor and the Owner. No changes in the work covered by the Contract Documents shall be made without prior written approval of the Owner.

The costs of the extra work shall include all applicable taxes in accordance with Section 1-07.2.

Contractor's quotations for Change Orders shall be in writing and firm for a period of 30 days. Any compensation paid in conjunction with the terms of a Change Order shall comprise total compensation due the Contractor for the work or alteration defined in the Change Order. By signing the Change Order, the Contractor acknowledges that the stipulated compensation includes payment for the work or alteration plus all payment for the interruption of schedules, extended overhead, delay, or any other impact claim or ripple effect, and by such signing specifically waives any reservation or claim for additional compensation in respect to the subject of the Change Order.

The Owner's request for quotations on alterations to the work shall not be considered authorization to proceed with the work prior to the issuance of a formal Change Order, nor shall such request justify any delay in existing work. Lump sum quotations for alterations to complete the extra work shall include substantiating documentation with an itemized breakdown of Contractor and subcontractor costs, including labor and rates, material, equipment and rates, rentals, approved services, taxes, overhead, and profit calculated as specified for force account work.

1-09.6 Force Account
(May 2016 Medina GSP)

This section is revised as follows:

Whenever under the terms of the Contract, work or materials are to be paid for as force account, all labor, materials, equipment, and services provided for the work shall be subject to the Engineer's approval. No payment will be authorized as Extra Work or qualify as force account work when said work has been described in these Specifications as being incidental to the construction or has been specified as being the Contractor's responsibility. All such work shall be completed by the Contractor and shall be included in the various bid prices for the items of work to which it pertains.

Whenever the Contractor is engaged in Force Account Work, the workmen who perform the work, the materials incorporated into the work, the items of equipment utilized, and the specialized services rendered shall be to the satisfaction of the Engineer. Any workmen, equipment, etc., which are not actively engaged in the force account work as determined by the Engineer shall not be eligible for payment. Equipment and workmen which are on standby shall be utilized, so far as possible, on other work on the project and shall not be charged to the force account work. For equipment rented on a daily or hourly basis, rental will be allowed for only those days or hours during which the equipment is in actual use on the Force Account Work. For equipment rented on a monthly basis, straight time rental will be allowed from the day the equipment is first used until and including the last day on which it is used on that particular work, provided the equipment is not able to be utilized on other portions of the Contract work, provided further that the equipment is not idle for a period of more than three (3) days, it being understood that no rental will be allowed for any idle periods longer than a total of three (3) days or for any time during which the equipment is used on other work. The Engineer shall decide on which basis, whether hourly, daily, or monthly said equipment use shall be paid for and may suspend said force account work, engage other forces to complete the work or complete the work with City forces. Should the Engineer so suspend the work, the Contractor shall be paid for the work actually completed up to such time but shall not be eligible for any additional payment beyond said time or for any claims related to others performing the work or for claiming a time delay.

The amount of force account payments shall be determined as follows by the Engineer from the complete records submitted by the Contractor. Failure of the Contractor to submit complete, accurate and detailed force account sheets and records will result in no payment for the work.

The Contractor shall maintain his records in such a manner as to provide a clear distinction between the direct costs of work paid for on a force account basis and the costs of other operations. The Contractor shall furnish the Engineer force account sheets in duplicate of each day's force account work signed by the Contractor or his authorized agent, no later

than the working day following the performance of said work. Failure to comply will result in no payment of the work. The daily force account sheets shall itemize the materials, labor and equipment used, whether furnished by the Contractor, subcontractor, or other forces. The daily force account sheets shall provide names or identifications and classifications of workers, rates of pay, the hours worked, and also the size, type, and identification number, current WSDOT rental rates and hours of equipment utilized, and the purpose and location of the work.

The following is added to Section 1-09.6,4.:

Specialized Services: Under agreement by the Engineer and the Contractor, it may be determined that a certain item or service under force account work cannot be satisfactorily performed by the forces of the Contractor or his subcontractors, in which case such item or service may be performed by a specialist. Invoices for such item or service on the basis of the current market price thereof, may be accepted without complete itemization of labor, material, and equipment cost when such itemization is impracticable or not customary under the circumstances. Where the force account work necessitates fabrication or machining work by the Contractor away from the jobsite, charges for such work may, by agreement, be accepted as a specialist billing. The specialist invoices shall show credit for cash or trade discounts offered or available the same applies to force account work, but shall not include a percentage or other markup. An amount equal to 21 percent of the total invoice from the specialist shall be added for overhead, profit, and all other costs incidental to furnishing and providing such specialized work.

The Owner reserves the right to disallow invoice payments based on rates higher than those customary for similar types of work. The Engineer may request a detailed breakdown of the invoice or further documentation, which justifies the requested payment.

1-09.7 Mobilization
(May 2016 Medina GSP)

Delete this section in its entirety, and replace it with the following:

1-09.7 Mobilization and Demobilization and Photographs

1-09.7(1) Mobilization and Demobilization

Payment will be made for mobilization in accordance with Section 1-09.7 of the Standard Specifications. No payment will be made for demobilization. All other costs associated with these activities shall be merged with prices shown in the Contractor's proposal.

Payment will be made in accordance with Section 1-04.1 for the following bid item, when included in the proposal:

Mobilization	**Lump Sum**

1-09.7(2) Photographs

The Contractor shall be required to provide preconstruction photographs of all of the construction corridors. The photographs shall provide complete coverage of all features along the routes, and, in no event, shall be more than 50 feet apart.

Before construction may start in any section photographs in 8-inch x 10-inch color glossy prints format, together with the negative, shall be delivered to the Engineer. Photographs taken on the roadways where work is to be done in or along the roadway shall have been given special attention to depict existing pavement condition, edge of pavement, and shoulders, private property frontages and landscaping or other features to be preserved. The photographs shall be of a commercial quality, and shall indicate on the front of each glossy print; the date, contract number, name of work, and the location where the photograph was taken.

Digital photographs delivered on a USB Digital Storage Device may be an acceptable substitute if they are of sufficient detail to show the features described above and are labeled with the exact location of each photo image.

The cost of providing preconstruction photographs shall be considered as incidental to Project Mobilization.

1-09.10 Payment for Surplus Processed Materials
(May 2016 Medina GSP)

This section is deleted in its entirety.

1-09.11 Disputes and Claims
(May 2016 Medina GSP)

All references to "Thurston County" in this section shall be replaced with "King County".

1-09.13 Claims Resolution
(May 2016 Medina GSP)

All references to "Thurston County" in this section shall be replaced with "King County".

1-09.13(1) General
(May 2016 Medina GSP)

The words "binding arbitration" are deleted from the first paragraph.

1-09.13(3) Claims $250,000 or Less
(May 2016 Medina GSP)

This section is deleted.

1-09.13(4) Claims in Excess of $250,000
(May 2016 Medina GSP)

The words "in excess of $250,000" are deleted from the text.

Add the following new section:

1-09.14 Measurement and Payment (New Section)
(May 2016 Medina GSP)

1-09.14(1) General

The unit bid prices listed in the Proposal for the various bid/pay items shall include all costs for labor, equipment, materials, overhead, insurance, profit, testing, relocation and modifications to existing utilities, and all incidentals and appurtenances necessary to make the installation complete and operable.

Except for the specific items listed in each schedule, no separate measurement or payment will be made for any other materials, equipment, tools or labor necessary to complete the work. All miscellaneous items or materials required to complete the work shall be considered to be included in the various unit or lump sum price bids included in the Proposal, herein.

1-10 TEMPORARY TRAFFIC CONTROL

1-10.2 Traffic Control Management

1-10.2(1)B Traffic Control Supervisor
(May 2016 Medina GSP)

Delete the last paragraph and insert the following:

All traffic control labor, equipment, management and supervision costs shall be included in the unit bid prices for Traffic Control item contained in the proposal and no additional payment shall be warranted.

1-10.2(2) Traffic Control Plans
(May 2016 Medina GSP)

This section is supplemented with the following:

The Contractor shall prepare a traffic control plan detailing how traffic is to be rerouted in all streets and intersections. The plan shall include maps showing detour routes, signing, barricades, and flagging personnel and shall be coordinated with the Contractor's Progress Schedule specified in Section 1-08.3 and shall indicate when the various elements of the plan will be needed. The plan shall show where and when parking will be restricted and how specified access to residences and businesses will be maintained.

The Contractor must obtain the Engineer’s approval of the Contractor's traffic control plan before the Contractor begins any on-site works. Two copies of the traffic control plan shall

be submitted to the Engineer before any on-site work begins. Preparation and submission to the Engineer for any changes to the Contractor's traffic control plan shall conform to the requirements specified for the original plan and shall be completed before the revised plan is implemented.

Drivers of motor vehicles used in connection with the construction shall obey traffic rules posted for such location.

1-10.3 Traffic Control Labor, Procedures and Devices

1-10.3(1) Traffic Control Labor

(May 2016 Medina GSP)

The first paragraph is revised as follows:

The Contractor shall furnish all personnel for flagging and for the setup and removal of all temporary traffic control devices and construction signs necessary to control traffic during construction operations. Flaggers and spotters shall possess a current certification (flagging card) acceptable to the State Department of Labor and Industries (WAC 296-155-305). Workers engaged in flagging or traffic control shall wear reflective vests and hard hats. During hours of darkness, white coveralls or white or yellow rain gear shall also be worn. The vests and other apparel shall be in conformance with Section 1-07.8. The Contractor shall furnish the MUTCD standard Stop/Slow paddles (18 inches wide, letters 6 inches high, and reflectorized) for the flagging operations.

This section is supplemented with the following:

General. The Contractor shall provide all flaggers, signs, and other traffic control devices. The Contractor shall erect and maintain all construction signs, warning signs, detour signs, and other traffic control devices necessary to warn and protect the public at all times from injury or damage as a result of the Contractor's operations which may occur on highways, roads, or streets. No work shall be done on or adjacent to the roadway until all necessary signs and traffic control devices are in place.

Conformance to Established Standards. Flagging, signs, and all other traffic control devices furnished or provided shall conform to the standards established in the latest adopted edition of the "Manual on Uniform Traffic Control Devices" (MUTCD) published by the U.S. Department of Transportation and the Modifications to the MUTCD for Streets and Highways for the State of Washington. Copies of the MUTCD may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Modifications to the MUTCD for Streets and Highways for the State of Washington may be obtained from the Department of Transportation, Olympia, Washington 98504.

When the bid proposal includes an item for "Traffic Control Labor Per Hour", the work covered by this item shall include the labor required for flagging and for set up and removal of the construction signs and other traffic control devices which are placed and removed daily. The hours eligible for "Traffic Control" will be those hours actually used for flagging and for set up and removal of construction signs and other traffic control devices which are placed and removed daily.

When the bid proposal includes an item for "Project Temporary Traffic Control Lump Sum", the same shall be provided by the Contractor and all cost associated with temporary traffic control shall be included in the lump sum price bid for the item in the proposal.

1-10.3(3) Construction Signs
(May 2016 Medina GSP)

This section is supplemented with the following:

The Contractor shall provide all necessary signs.

The following is added:

As conditions permit, the Contractor shall, at the end of each day, leave the work area in such condition that it can be traveled without damage to the work, without danger to traffic or pedestrians.

The Contractor shall be responsible for protection of work and traffic at all times, and the Contractor and the Surety shall be liable for damages and injuries suffered by reason of the Contractor's operations or any negligence in connection herewith.

1-10.5 Payment
This section is supplemented with the following:

Payment will be made in accordance with Section 1-04.1 for the following bid item, when included in the proposal:

Project Temporary Traffic Control	**Lump Sum**

The lump sum price for "Project Temporary Traffic Control" shall be full compensation for all labor, material, tools, and equipment, including but not limited to traffic control plan preparation, installing, maintaining, and removing as necessary to satisfactorily complete the work as defined in the Standard Specifications and these Special Provisions.

END OF DIVISION 1

DIVISION 2 EARTHWORK

2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP

2-01.1 Description
The section is revised as follows:

The Contractor shall clear and grub the minimum area required to perform the work under the Contract. The Contractor shall not clear and grub areas beyond the limits of construction and as noted on the Plans. All trees, bushes, shrubs or other objects to be trimmed or removed shall be flagged by the Contractor and inspected by the Engineer. Upon approval of the plantings so flagged, the Contractor shall be responsible for maintaining those items not flagged and to remain in an undisturbed condition and shall be responsible for their preservation.

2-01.2(1) Disposal Method No. 1 - Open Burning
The section is revised as follows:

No open burning shall be allowed.

2-01.2(2) Disposal Method No. 2 — Waste Site
This section is supplemented with the following:

A waste site has not been provided by the City for the disposal of excess materials and debris. All materials removed by clearing and grubbing operations shall be disposed of at a legal disposal site obtained by the Contractor.

There is limited access and limited available space for the Contractor for installation of the proposed improvements. The Contractor will be required to haul from the site all the stock piled debris from that day's construction activities. Any material or debris which hinders traffic safety or creates an obstruction shall be removed immediately.

2-01.2(3) Disposal Method No. 3 - Chipping
The section is revised as follows:

All chipping material shall be disposed of by the Contractor at an approved waste site.

2-01.5 Payment
This section is revised as follows:

All work specified in this section shall be incidental to the bid items included in the proposal and no separate payment will be made.

2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

2-02.1 Description
The section is revised as follows:

Work in this section includes the removal of pavement and pavement markings, curbs, sidewalk and other items necessary for the construction of the improvements, and the relocation and restoration of existing improvements, and the removal, shaping and pruning of existing trees, shrubs, and plantings. The work also includes the temporary relocation and restoration of existing mailboxes, signs, posts, and various and miscellaneous surface features to allow for the construction and their restoration following the work.

2-02.3 Construction Requirements

The section is supplemented with the following:

Remove completely all existing pavement, curbs, sidewalk, sod, surfacing, structures, and other surface improvements and facilities as shown on the Plans, as specified by the Engineer, or as required for construction. Except as specified elsewhere, or as shown on the Plans, upon their removal, the structures and obstructions (except for items specified to be salvaged or relocated) shall become the property of the Contractor and the Contractor shall dispose of them in a manner meeting all requirements federal, state, county, and local laws and regulations.

Tree and shrub trimming shall be performed in consultation with the City arborist. Removal and transplanting shall conform to Section 8-34 herein. The Contractor shall carefully and skillfully trim, prune and remove extraneous limbs, growth, brush or vegetation adjacent to the work to facilitate construction in such a manner as to enhance the appearance of the plantings without disfiguring them. All brush, trimmings, debris shall be disposed of by the Contractor.

Existing signs, mailboxes, posts located near the construction which will conflict with the work or the operation of equipment shall be temporarily relocated in a manner satisfactory to the Engineer to allow for the construction and be fully restored immediately following the work.

Existing pavement markings in the construction area and in those areas to receive new pavement markings, shall be removed prior to new asphalt paving or new pavement marking applications, incidental to the paving or pavement marking bid items. Temporary pavement markings shall be required and maintained in accordance with Section 8-23, until new markings are installed. Removal of the markings shall be accomplished in such a manner as to completely expose the asphalt surface without damaging the asphalt.

Any damage to existing improvements or plantings that were intended to remain shall be repaired or the item replaced or otherwise restored to the satisfaction of the Engineer at the Contractor’s expense.

2-02.5 Payment

This section is revised as follows:

All work specified in this section shall be incidental to the bid items included in the proposal and no separate payment will be made.

2-03 ROADWAY EXCAVATION AND EMBANKMENT

2-03.1 Description
This section is supplemented with the following:

Roadway excavation shall include excavation for, but not limited to pavement, driveways, sidewalks, curb and gutter, planter areas, gravel path, ditches, and swales, regardless of the nature or type of materials encountered.

Any excavation beyond the limits identified on the Plans, unless approved by the Engineer, shall be replaced at the Contractor's expense.

2-03.3(7)B Haul
This section is revised as follows:

Hauling shall be considered incidental to and included in the various bid items in the contract, unless otherwise specified in the proposal.

2-03.4 Measurement
This section is supplemented with the following:

No specific unit of measurement will apply to the lump sum item "Roadway Excavation Incl. Haul".

2-03.5 Payment
This section is supplemented with the following:

Payment will be made in accordance with Section 1-04.1, for the following bid item(s):

Roadway Excavation Incl. Haul	**Lump Sum**

The lump sum contact price for "Roadway Excavation Incl. Haul" shall be full compensation for all labor, material, tools, and equipment, including but not limited to: excavating, loading, hauling, stockpiling, separating of material, placing, compacting, disposal of excess and unsuitable materials, and other work necessary to satisfactorily complete the work as defined in the Standard Specifications and these Special Provisions.

All costs associated with hauling and disposal of the excavated material shall be considered incidental to and included in the contract unit price for associated bid items.

2-04 HAUL

2-04.5 Payment
This section is revised as follows:

Hauling shall be considered incidental to and included in the various bid items in the contract, unless otherwise specified in the proposal.

2-07 WATERING

2-07.1 Description
This section is supplemented with the following:

Water will be available from hydrants. The Contractor shall make application and make all necessary arrangements with the City of Bellevue Utilities Department for obtaining water and pay all costs. The water shall be disbursed through a portable hydrant meter with blackflow prevention valves. If a meter is obtained from the City a deposit may be required which will be refunded minus any charges for repair or the cost of the water. Only those hydrants designated in writing by the Utility shall be used.

The Contractor shall not connect to the fire hydrants in a manner which could cause a cross connection between potable and non-potable supplies. An air gap or other approved means shall be used at all times to prevent contamination of the potable water system.

2-07.5 Payment
This section is revised as follows:

Payment for watering shall be considered incidental to and included in the unit contract price for associated bid items that require watering.

2-09 STRUCTURE EXCAVATION

2-09.5 Payment
This section is revised as follows:

Structure excavation and shoring shall be considered incidental to and included in the various bid items in the contract, unless otherwise specified in the proposal.

END OF DIVISION 2

DIVISION 4 BASES

4-04 BALLASTING AND CRUSHED SURFACING

4-04.1 Description
This section is supplemented with the following:

All crushed surfacing material included in this contract is to be used only as designated by the Engineer and is not for the convenience of the Contractor. The Contractor shall place the material where indicated on the Plans or as directed by the Engineer.

4-04.3 Construction Requirements
This section is supplemented with the following:

Contractor shall place and maintain crushed surfacing top course material adjacent to all driveway and sidewalk edges to provide a temporary gradual surface transition until final pavement is placed, or as directed by the Engineer.

4-04.4 Measurement
This section is revised as follows:

Crushed rock surfacing top course and base course will be measured by the ton for material delivered and placed within the maximum payment limits shown on the Plans or as directed by the Engineer. The number of tons shall be as shown on the load tickets for each load of crushed rock delivered and placed, as shown on the Plans and as directed by the Engineer.

Duplicate load tickets shall accompany each load of crushed surfacing fill delivered to the project. The tickets shall bear at least the following information:

1. Truck number.
2. The number of tons of tons in the load.
3. Truck tare weight.
4. Gross truck weight stamped at the material source.
5. Date and time of delivery.
6. Place for receipting by the Engineer.
7. The pay item number.

Each truck shall be clearly numbered, to the satisfaction of the Engineer, and there shall be no duplication of numbers. It will be the Contractor's responsibility to see that a certified load ticket is given to the Engineer's representative on the project and receipted by the representative at the time of delivery for each truckload of crushed surfacing delivered. Load tickets not delivered to and receipted by the Engineer's representative at the time of delivery will not be honored for payment.

4-04.5 Payment
This section is supplemented with the following:

Payment will be made in accordance with Section 1-04.1, for the following bid item(s):

Crushed Surfacing Top Course	**Per Ton**

The unit contract bid price(s) for the above including all incidental work shall be full compensation for all labor, material, tools, and equipment, including but not limited to: hauling, placing, compacting, and other work necessary to satisfactorily complete the work as defined in the Standard Specifications and these Special Provisions.

END OF DIVISION 4

DIVISION 5 SURFACE TREATMENTS AND PAVEMENTS

5-04 HOT MIX ASPHALT

5-04.1 Description

This section is supplemented with the following:

This work shall consist of providing and placing one or more courses of plant mixed hot mix asphalt (HMA) on prepared crushed rock for pavement restoration, over excavations as base for roadway widening, or placed on existing asphalt concrete for pre-leveling and pavement overlays, in accordance with these Specifications and in conformity with the lines, grades, thickness, and typical cross-sections shown on the Plans, specified, or as designated by the Engineer.

5-04.2 Materials

The following is added:

All materials shall be furnished by the Contractor.

Materials shall conform to the following sections:

Asphalt Binder	9.02.1(4), PG 64-22
Cationic Emulsified Asphalt	9-02.1(6)
Anti-Stripping Additive	9-02.4
Aggregates	9.03.8, HMA Class ¾-inch and ½-inch
Blending Sand	9.03.8(4)
Tack Coat	9.02.1, CSS-1

Contractor's mix design shall be tested by a Materials Laboratory and approved by the Engineer prior to construction. The Engineer reserves the right to submit the job mix design to the WSDOT Materials Laboratory or other laboratory and require modifications to the Contractor's proposed mix design at no additional expense to the Owner.

Soil Residual Herbicide shall be Treflan, Casoron 2G, or other acceptable herbicide labeled for use under asphalt pavements.

5-04.3 Construction Requirements

The following is added:

Pavement patching shall be scheduled to accommodate the demands of traffic and shall be performed as rapidly as possible to provide a smooth finished surface for public travel.

In general, utility appurtenances such as manhole covers, catch basin frames and grates, valve box covers and monuments shall be referenced and covered with neat trimmed building paper and paved over. The Contractor shall be responsible for cutting out the pavement around castings and covers prior to the overlay paving, and shall uncover and clean the castings and covers, and adjust them to grade following the paving operation.

Meet lines where the new overlay is to match into existing asphalt pavement or concrete shall be ground or planed with straight edges and minimum 1 ½ -inch vertical depth face to produce a smooth full depth overlay grade match.

All asphalt overlay meet lines shall be painted with a coating of cut back asphalt. After placing of new pavement, the meet lines shall be coated and immediately covered with clean, dry sand.

Water and gas gate valve covers shall be immediately uncovered by the Contractor following the paving such that the cover is free of tack coat and can be easily removed for valve operation. Failure of the Contractor to uncover and clean any gate valve cover on the work day of its covering will result in the assessment of a $500 fine per cover per occurrence and will be deducted from the sum(s) due to the Contractor. Failure of the Contractor to adhere to this requirement may result in halting all work until the valves are uncovered and cleaned, and no claim for damages or lost time shall be warranted. Final adjustment to finished grade shall conform to Section 7-05.

5-04.3(3) Asphalt Pavers

The following is added:

Unless otherwise specified by the Engineer, the Contractor shall establish and utilize horizontal centerline of the street for the pavement crown, and use a multi-footed ski-like arrangement for vertical control to automatically control the paving machine grade. Local dips, holes, humps shall be leveled out to avoid a repetition of them to the final roadway surface and without abrupt grade changes. Remove humps by grinding, adding leveling mix, or cut out and patching as determined by the Engineer. Fill holes and dips with leveling mix. Maintain a pavement cross slope for surface drainage.

Pre-leveling and overlays shall be laid by a self-propelled asphalt paver having a heated vibratory screed with automatic controls on the screed capable of sensing grade and transverse slope. Do not commence final paving until reference lines and grades have been established to control the work.

The paver shall be equipped to lay down the full-specified lane width with extensions on the screed and auger. Cut off plates shall be required on the longitudinal joints, and slope plates shall be utilized for thickened edge locations.

Paver operation shall be smooth and continuous once paving has commenced. Avoid starting and stopping and flipping of the hopper skirts. In general, reference lines shall be required. Manual operation shall be limited to irregular shaped and matching areas.

The delivery of the HMA to the paver shall be as uniform as possible without long delays or grouping of hauling trucks. When trucks become grouped the Contractor shall take measures to spread out or increase the truck deliveries to conform to the proper paving demand.

5-04.3(4) Rollers

This section is amended as follows:

The Contractor shall obtain optimum asphalt compaction with maximum 8% air voids following the compaction. To this end, HMA characteristics, temperature, workability are critical and shall be considered by the Contractor prior to and during the operation. Failure to demonstrate an acceptable finished and rolled mat, as determined by the Engineer, shall be basis for stopping the paving until the Contractor has demonstrated compliance with the compaction and surface condition specifications to the Engineer.

All rollers shall operate with the drive wheel ahead of the tiller, in the direction of travel on the uncompacted mix. Vibratory rollers shall not be used for compaction on thin overlays. Provide rubber tired roller for initial rolling and GlasGrid rolling when specified for placement prior to overlaying with HMA. When rolling the following sequence shall be utilized:

1. Transverse joints.
2. Longitudinal joint when abutting a previous lane.
3. Outside edge.
4. Breakdown rolling beginning on low side and progressing toward high side.
5. Intermediate rolling.
6. Finish rolling.

The completed mat shall be free of ridges, ruts, ripples, checking, roller marks, shoving or other irregularities and in conformance with line, grade, and cross slope as determined by the Engineer. Any defective or deficient asphalt concrete shall be removed and replace with fresh HMA at no additional cost.

All areas exhibiting scuffing, ripples, tearing, heat checking, slippage, coarseness, or improper cold joint construction may be basis for the Engineer to require modification of the operation, corrective measures, removal and replacement, or additional asphalt concrete overlay, all at the Contractor's expense.

5-04.3(5) Conditioning Of Existing Surface
The following is added:

Pre-level area as necessary.

Perform pavement repair, cut out, rebasing, and patching as required by the Engineer, and complete additional widening areas by first completing an even smooth vertical saw cut along the existing mat followed by asphalt removal, excavation to sub-grade, sub-base grading and the addition of compacted crushed rock in accordance with Sections 2-02, 2-06 and 4-04.

5-04.3(5)A Preparation of Existing Surfaces
The following is added:

In those areas designated by the Engineer, all holes and small depressions in existing pavement areas shall be filled, leveled and compacted with appropriate class of HMA to form a smooth uniform grade and cross-section. Base repairs, pothole filling, hump removal, leveling course, and remedial work shall be completed prior to final surface paving.

Tack coat shall be applied to all existing pavement surfaces on which any course of new asphalt concrete is to be placed or abutted. Tack coat shall not be applied until traffic is routed around or off of that portion of the roadway to be paved, and the existing pavement surface is dry, clean, has a surface temperature above 50°F, and there is no threat of rain.

Traffic shall be kept off of the applied tack coated areas. Paving shall not proceed until the tack has been uniformly applied and cured. In general, diluted emulsified asphalt (one part water to one part emulsified asphalt) shall be used and applied by an approved asphalt distributor at 0.02 to 0.01 gallon residual asphalt per square yard. Tack coat shall be 70^0 to 160^0 F for application.

The tack coat distributor shall have a full circulating system that includes the spray bar unit. The spray bar shall be cab controlled hydraulic operated to adjust vertically and horizontally. Nozzles shall be equipped with angle adjustment and spaced at four inches on center. The distributor shall be equipped with a bitumeter, tank volume gauge and thermometer. Hand operated spraying shall only be used in inaccessible areas. Failure of the distributor to apply a uniform metered application of tack shall halt paving operations until a replacement unit can be obtained which can uniformly apply the controlled amount of tack coat.

5-04.3(5)D Soil Residual Herbicide

Soil residual herbicide shall be applied to all new pavement areas and in those areas where existing vegetation is growing through or within the limits of the pavement. Paving shall begin promptly after application of the herbicide or as recommended by the herbicide manufacturer. In no case shall the herbicide be applied when rainfall is occurring or is anticipated. Do not allow the herbicide to remain exposed or otherwise be accessible to children, pets, animals or birds.

5-04.3(7)A Mix Design and Testing 5-04.3(8)A

The Contractor shall submit the HMA mix design and recent WSDOT approval of the design information to the Engineer for approval prior to the production for the project.

The City may employ an independent testing laboratory to perform testing. The laboratory may at various times and from time to time during the course of the work, sample the mix and perform compaction density testing on the compacted mix. The Contractor shall provide all necessary samples and information for the determination of the materials and composition. The cost of testing materials and or compaction that fail to meet specifications shall be deducted from the sum(s) due to the Contractor.

Control of the HMA, placement and compaction shall be the responsibility of the Contractor. The finished pavement shall be evaluated for gradation, asphalt binder content and surface texture and surface smoothness by the Engineer.

HMA shall be compacted to a minimum density of 92 per cent of the maximum density. Compacted depth of not more than 4-inches per lift. Final depth to conform to the specified design section.

If tests or inspections find the HMA, placement, or compaction to not conform to the Plans and specifications, the Contractor shall stop the paving operation and shall not resume paving until the mix, placement, or compaction procedures have been changed to produce work in conformance with the Plans and specifications. Work not in conformance with the Plans and specifications shall be removed and replaced at no cost to the Contracting Agency or, at the Contracting Agencies option and as determined by the Engineer, the defective work may be retained and the price paid for the defective work reduced up to the sum of 25 per cent from the unit bid price listed in the Proposal.

5-04.3(14) Planing Bituminous Pavement
Add the following:

This work shall also include abrasion means to accomplish smooth grade transitions to adjacent paved surfaces.

The meet lines where the new surfacing is to match into existing surfaces shall be planed perpendicular to the match line for a full-depth overlay thickness or for a match of new surfacing to existing that will form a smooth grade match with the existing surface to remain without a steep grade transition or an abrupt change in elevation.

The planed depth shall be sufficient to provide for the placement of a minimum 2-inch depth asphalt concrete overlay to the specified finished grade. The width of match line planing shall be a minimum of six feet.

The abrasion depth when specified by the Engineer shall be sufficient to provide a smooth grade match with adequate material depth remaining in the existing surface to provide long term performance.

Temporary cold mix shall be placed along any sharp vertical cut to form a smooth ramp for vehicular traffic when new pavement is not being placed that day, remove the cold mix just prior to final pavement placement. All temporary cold mix shall be incidental to the work.

5-04.3(15) Road Approaches (Driveways)
Delete and insert the following:

The transition paving between existing surfaces and the new surfacing is critical to the project. Therefore, all work shall be skillfully accomplished with the utmost care. Do not apply tack coat beyond the match point. Do not seal the match point on concrete surfaces. Completely remove all excess asphalt or tack coat from concrete surfaces. In particular, existing driveways shall match the new roadway without an adverse grade change or low spots that trap storm water runoff. Driveways shall be feathered in and shimmed to provide a smooth transition to the roadway that will accommodate passenger vehicles without scraping or bottoming out.

5-04.3(17) Paving Under Traffic
This section is revised as follows:

The Contractor shall be responsible for all traffic control in accordance with Section 1-10.

Unless otherwise authorized, street closure will not be allowed. During paving operations, maintain one lane for through traffic at all times.

Provide all necessary signing, flagmen, etc. in accordance with the approved traffic detour plan during the construction.

Provide temporary pavement markings incidental to the work immediately following removal of the existing markings and maintain until final paving preparations are completed. Remove them just ahead of final paving and reinstall new temporary markers until final pavement markings are installed.

5-04.5 Payment
This section is supplemented with the following:

Payment will be made in accordance with Section 1-04.1, for the following bid item(s):

HMA Cl. ½" PG 64-22 (Commercial)	**Per Ton**
Planing Bituminous Pavement	**Per Square Yard**

The unit contract bid price(s) for the above including all incidental work shall be full compensation for all labor, material, tools, and equipment, including but not limited to: hauling, placing, compacting, anti-stripping additive, water, installing and removing

temporary pavement marking, and other work necessary to satisfactorily complete the work as defined in the Standard Specifications and these Special Provisions.

Adjusting of utility covers to finished grade shall be considered incidental to and included in the various related bid items and no separate payment will be made.

END OF DIVISION 5

DIVISION 8 MISCELLANEOUS CONSTRUCTION

8-01 EROSION CONTROL AND WATER POLLUTION CONTROL

8-01.1 Description
This section is supplemented with the following:

This work shall consist of furnishing, installing, maintaining, and removing and disposal of temporary water pollution and erosion control devices to prevent the transport of sediment and other debris from leaving the site.

8-01.3(8) Street Cleaning
The second paragraph is revised as follows:

Street washing with water will not be allowed.

8-01.3(9)D Inlet Protection
This section is supplemented with the following:

Only inlet devices with large overflow bypass openings are approved for below inlet grate protection. Inspector may require removal of inlet protection during large storm events to prevent flooding.

Catch Basin Inserts shall be installed on all existing and new catch basins that are constructed as part of this contract or receive runoff from the project site.

8-01.4 Measurement
This section is supplemented with the following:

No specific unit of measurement will apply to the lump sum item “Temporary Erosion/Water Pollution Control”.

8-01.5 Payment
This section is supplemented with the following:

Payment will be made in accordance with Section 1-04.1for the following bid items:

Temporary Erosion/Water Pollution Control	**Per Lump Sum**

The unit contract bid price(s) above, including all incidental work, shall be full compensation for all labor, materials, tools and equipment necessary to satisfactorily complete the work as defined in the Standard Specifications, these Special Provisions, and the Plans.

Inspecting, maintaining, cleaning, and replacing of erosion/water pollution control BMPs shall be considered incidental to and included in the various bid items.

Preparation and implementation of Spill Prevention, Control and Countermeasures (SPCC) Plans shall be considered incidental to and included in the various bid items, and no separate payment will be made.

8-02 ROADSIDE RESTORATION

8-02.2 Materials
Supplement this section with the following:

Topsoil	9-14.1(1) of these Special Provisions

8-02.3 Construction Requirements

8-02.3(4)A Topsoil Type A
Supplement this section with the following:

Approved sources for topsoil are:

Cedar Grove
17825 Cedar Grove Road SE
Maple Valley, WA 98038
(877) 764-5748

Pacific Topsoils
14002 35th Avenue SE
Mill Creek, WA 98912
(800) 884-7645

Or other sources as approved by the Engineer.

8-02.3(16) Lawn Installation
Supplement this section with the following:

All disturbed areas which are not otherwise treated shall be seeded. All areas to be seeded shall be free of all visible clods, rocks and debris measuring one half inch (1/2”) or larger in any dimension. Any exposed tree roots in cut slopes shall be cleanly cut two inches (2”) below finish grade of the slope. All costs involved in seed bed preparation, seeding, fertilizing, and mulching shall be included in the contract unit bid for "Seeded Lawn Installation."

Seeding
Hydroseeding method of application shall be used on this project. A slurry consisting of seed, fertilizer, mulch and water shall be uniformly applied over all unpaved disturbed areas within easements and right-of-way unless directed otherwise.

Seeding rate shall be 250lbs/acre. The dealer shall mix the seed. The Contractor shall furnish to the Engineer the dealer's guaranteed statement of the composition of the mixture and the percentage of purity and germination of each variety. Grass seed shall be composed of the following varieties mixed in the properties indicated.

Mixture Proportions			
Name	**By Weight**	**% Purity**	**% Germination**
Creeping Red Fescue	45%	95%	90%
Perennial Ryegrass	45%	95%	90%
Highland Colonial Bentgrass	10%	95%	90%

Fertilizing

All areas which are seeded shall receive fertilizer of the following proportions and formulation:

Total available Nitrogen 10% (of which 50% is derived from 38% slow release ureaform (Analyzed as N)	
Available Phosphorous	20% (Analyzed as P_2O_5)
Available Potassium	20% (Analyzed as K_2O)

The above percentages are proportioned by weight.

8-02.5 Payment

This section is supplemented with the following:

Payment will be made in accordance with Section 1-04.1for the following bid items:

Seeded Lawn Installation	**Per Square Foot**

The unit contract price(s) above shall be full pay for all work to complete the installation, including but not limited to: excavating, hauling, stockpiling and disposal of excavated materials; grading; backfilling; compacting; planting area preparation; furnishing and placing topsoil; weed control within seeding area; seeding; erect barriers; and establish lawn areas. Unless listed as a separate pay item, all materials, labor, equipment and incidentals necessary to satisfactorily complete the work as defined in the Standard Specifications and these Special Provisions.

Payment shall be 75% of the unit contract price after initial planting. Remaining 25% shall be paid upon completion and acceptance of the one-year maintenance period.

8-04 CURBS, GUTTERS, AND SPILLWAYS

8-04.1 Description
This section is supplemented with the following:

This work shall also consist of construction of asphalt concrete wedge at the locations shown in the Plans or where designated by the Engineer after line and grades have been established as specified in Section 1-05.4 herein.

8-04.4 Measurement
This section is supplemented with the following:

Asphalt concrete wedge will be measured by the linear foot along the line and grade of completed wedge.

8-04.5 Payment
This section is supplemented with the following:

Payment will be made in accordance with Section 1-04.1for the following bid items:

Asphalt Concrete Wedge	**Per Linear Foot**

The unit contract price(s) above shall be full pay for all work to complete the installation, including but not limited to: excavating, hauling, stockpiling and disposal of excavated materials; backfilling; compacting; placing and finishing HMA; protecting newly placed wedge; and cleanup. Unless listed as a separate pay item, all materials, labor, equipment and incidentals necessary to satisfactorily complete the work as defined in the Standard Specifications and these Special Provisions.

8-14 CEMENT CONCRETE SIDEWALKS
8-14.1 Description
This section is supplemented with the following:

This work shall also consist of removal of existing stair and construction of new cement concrete stair at the locations shown in the Plans.

8-14.3 Construction Requirements
This section is supplemented with the following:

Concrete Stairway
Cement concrete stairway shall be constructed per details shown on the Plans.

Aluminum Railing
Railing shall be fabricated and installed in accordance with these Special Provisions and details shown on the Plans.

Railing shall be aluminum and shall be natural aluminum color. Completed aluminum railing units shall be anodized after fabrication conforming to the requirements of the Aluminum

Association standard for anodized architectural aluminum, Class I anodic coating, AA-C22-A-41.

Welding shall conform to the requirements of the "Specifications for Aluminum Structures" of the Aluminum Association. All exposed welds shall be ground flush with adjacent surfaces.

The base metal for aluminum railing shall be ASA alloy designation 6063-T6. Pipe and tubing shall be extruded conforming to the requirements of ASTM B-429, plates and sheets shall be rolled conforming to ASTM B-209, and rods, bars or shapes shall be extruded conforming to ASTM B-221.

Horizontal rails and vertical support posts shall be 1-1/2 inch diameter standard pipe and balusters shall be 3/4 inch diameter standard aluminum pipe. Rails, posts, and balusters shall be machine cut to provide a uniform length prior to assembly.

Railing shall be erected and adjusted, if necessary, to assure a continuous line and grade.

8-14.4 Measurement

This section is supplemented with the following:

No specific unit of measurement will apply to the lump sum item "Cement Concrete Stairway".

8-14.5 Payment

This section is supplemented with the following:

Payment will be made in accordance with Section 1-04.1for the following bid items:

Cement Concrete Stairway and Railing	**Lump Sum**

The lump sum contract price for "Cement Concrete Stairway" shall be full compensation for all labor, material, tools, and equipment, including but not limited to: removal of existing stair; excavating, hauling, stockpiling and disposal of excavated materials; backfilling; compacting; forms and formwork; furnishing and placing reinforcement; placing and finishing concrete; furnishing and installing sleeves and railings; protecting newly constructed stair; cleanup; and other work and materials necessary to satisfactorily complete the work as defined in the Standard Specifications and these Special Provisions.

8-21 PERMANENT SIGNING

8-21.3 Construction Requirements

This section is supplemented with the following:

Existing signs that conflict with new signs shall be removed immediately prior to the new installation. All existing signs to be relocated/re-installed at a later date shall be properly stored and protected by the Contractor.

All signs to be installed on posts shall be located in conformance with guidelines set forth in the MUTCD.

Any sign damaged or destroyed due to the Contractor's negligence before the end of the project shall be replaced by the Contractor with no compensation allowed.

8-21.5 Payment

This section is supplemented with the following:

Payment will be made in accordance with Section 1-04.1 for the following bid item(s):

Permanent Signing	**Lump Sum**

The per lump sum contract price for "Permanent Signing" shall be full compensation for furnishing all labor, materials, tools, and equipment necessary or incidental to providing, installing and relocating all signing as shown on the Plans including sign materials, banding materials, posts, and other work and materials necessary to provide and install signing.

8-22 PAVEMENT MARKING

8-22.5 Payment

This section is supplemented with the following:

Payment will be made in accordance with Section 1-04.1 for the following bid item(s):

Paint Line	**Per Linear Foot**
Painted Traffic Arrow	**Per Each**
Painted Access Parking Space Symbol	**Per Each**

The per lump sum contract price for "Permanent Signing" shall be full compensation for furnishing all labor, materials, tools, and equipment necessary or incidental to providing, installing and relocating all signing as shown on the Plans including sign materials, banding materials, posts, and other work and materials necessary to provide and install signing.

Removal of existing raised pavement marking, paint, and thermoplastic markings shall be considered incidental to the contract.

END OF DIVISION 8

DIVISION 9 MATERIALS

9-14 Erosion Control and Roadside Planting

9-14.1 Soil

9-14.1(1) Topsoil Type A

This section is supplemented with the following:

The topsoil shall be a sandy loam textural class as determined by the U.S. Department of Agriculture Classification System, free from materials toxic to plant growth, noxious weed seeds, rhizomes, roots, subsoil, and debris. The Contractor shall furnish sufficient quantities of topsoil for placement in all seeding and planting areas, plus a reserve quantity for restoring additional areas outside designated planting and seeding areas that are disturbed by the Contractor's activities.

Approved topsoil amendments and fertilizer shall be thoroughly incorporated into the topsoil in the proportions and amounts recommended by the soils testing laboratory. Soil testing and soil fertilization/amendment costs shall be considered incidental to and included in the unit contract price for Topsoil Type A.

9-14.3 Fertilizer

This section is supplemented with the following:

General - Fertilizers must be delivered to job sites, mixed as specified, in standard size unopened containers, showing weight, analysis and name of manufacturer. Material shall be uniform in composition, free-flowing and suitable for application by mechanical equipment. All elements shall be protected from the weather, particularly moisture, both on and off the job site.

Fertilizer for the trees, shrubs and groundcovers shall be 21-gram Agriform tablets 20-10-5.

9-14.4(3) Bark Mulch

This section is supplemented with the following:

Bark mulch shall be a standard commercial product, fine ground bark mulch with a minimum of 95 percent of the material passing through a 1-1/2 inch sieve and no more than 55 percent, by loose volume passing through a 1/4 inch sieve. Submit sample for approval prior to delivery to the job site. Bark shall be ground fir or hemlock bark of uniform color, free from weed seeds, sawdust and splinters, and shall not contain resin, tanning, wood fiber or other compounds detrimental to plant life. Source shall be from a freshwater mill.

9-14.4(8) Compost

This section is supplemented with the following:

Compost shall be in accordance with Section 9-14.4(8) and the following requirements:

Compost shall be stable, mature, decomposed organic solid waste that is the result of the accelerated, aerobic biodegradation and stabilization under controlled conditions. The result is a uniform dark, soil-like appearance.

Compost maturity or stability is the point at which the aerobic biodegradation of the compost has slowed and oxygen consumption and carbon dioxide generation has dropped. Subsequent testing provides consistent results.

Compost production and quality shall comply with the Solid Waste Handling Standards, Chapter 173-350 WAC.

The Contractor shall submit a copy of the lab analysis described under Testing Parameters in the Interim Guidelines for Compost Quality. The analyses shall be less than three months old and certify that the compost products meet the following physical criteria:

1. 100 percent shall pass through a 1-inch sieve when tested in accordance with AASHTO Test Method T87 and T88.
2. The pH range shall be between 5.5 and 8.5 when tested in accordance with *WSDOT Test Method 417.*
3. Manufactured inert material (plastic, concrete, ceramics, metal, etc.) shall be less than 1 percent on a dry mass or volume basis, whichever provides for the least amount of foreign material.
4. Minimum organic matter shall be 30 percent dry mass basis as determined by loss on ignition. (LOI test)
5. Soluble salt contents shall be less than 4.0 mmhos/cm.
6. Compost shall score a number 5 or above on the Solvita Compost Maturity Test.

Acceptance of composted products shall be based on the following submittals by the Contractor:

1. A Request for Approval of Material.
2. A copy of the Solid Waste Handling Permit issued to the supplier by the Jurisdictional Health Department as per WAC 173-304 (Minimum Functional Standards for Solid Waste Handling).
3. Written certification from the supplier that the material complies with the processes, testing, and standards specified in the Solid Waste Handling Standards, Chapter 173-350 WAC.
4. Written certification from the supplier that the compost products originate a minimum of 65 percent by volume from recycled plant waste. A maximum of 35 percent by volume of other approved organic waste and/or biosolids may be substituted for recycled plant waste.
5. A list of the feedstock by percentage used to create the final compost product.
6. Written notification of the location and identifying name of the designated stockpile to be used as the source of material for this project.

   Prior to delivery of compost, the Contractor shall supply one unused set of Compost Maturity Test kits, containing six tests, per item code #2261. Additional kits may be

requested by the Engineer when testing needs exceed supply. Unused test kit materials will be returned to the Contractor. The Solvita Compost Maturity Test is available from:

Woods End Research Laboratory, Inc.
Box 297, Mount Vernon, Maine 04352
E-mail: info@woodsend.org

9-14.4(8)C Topsoil Testing and Amendments

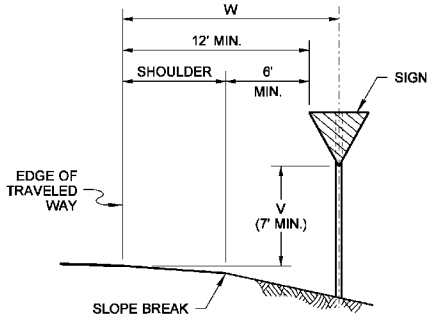
This section is supplemented with the following:

Specific topsoil amendment and fertilizer specification for the plant types specified on the plans shall be as per a certified soils laboratory recommendations (such as Soils and Plant Laboratory, Bellevue, WA) from two representative topsoil samples furnished by the Contractor to the approved Soils Laboratory. All topsoil testing and the cost of furnishing and incorporating the soils laboratory recommended topsoil amendments and fertilizers shall be paid by the Contractor and shall be incidental to the cost of the topsoil.

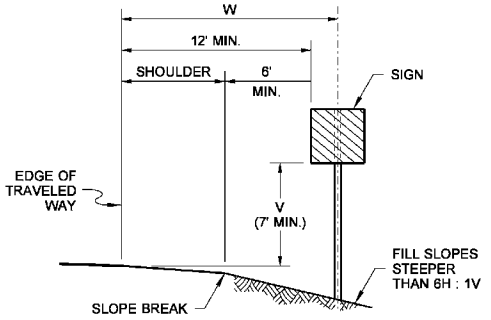
END OF DIVISION 9

APPENDIX A

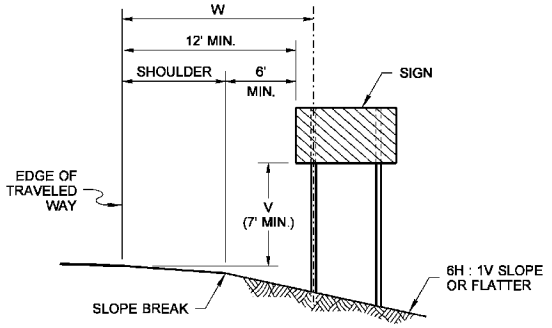
STANDARD PLANS



SIGN INSTALLATION IN FILL SECTION

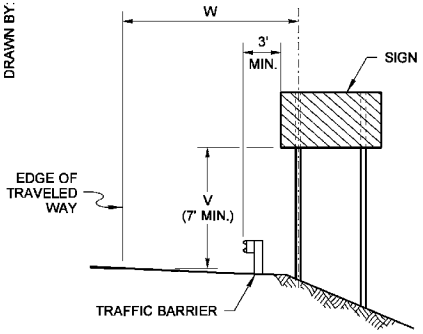


SIGN INSTALLATION ON STEEP FILL SLOPES

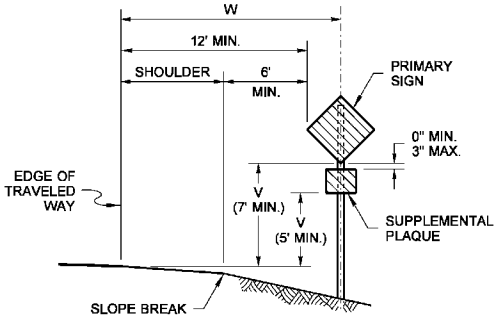


MULTIPLE SIGN POST INSTALLATION IN FILL SECTION

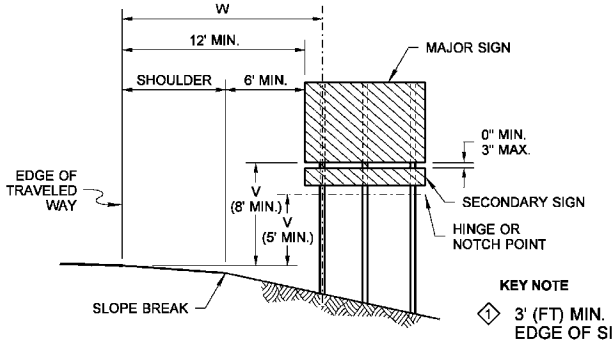
DRAWN BY: FERN LIDDELL



SIGN INSTALLATION BEHIND TRAFFIC BARRIER



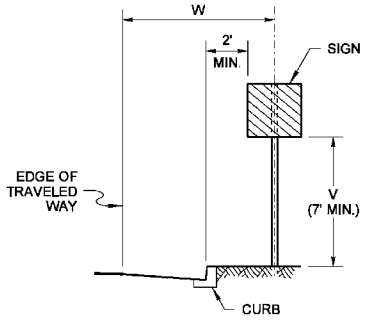
SIGN WITH SUPPLEMENTAL PLAQUE INSTALLATION IN FILL SECTION



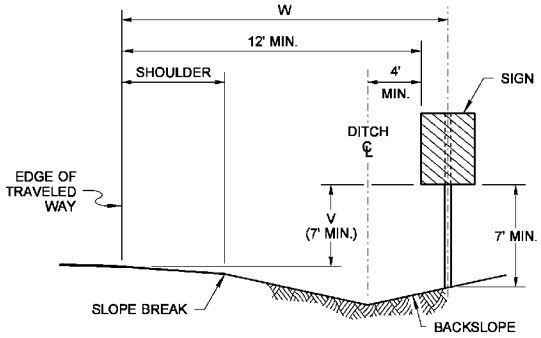
KEY NOTE

① 3' (FT) MIN. FROM ANY POINT ALONG BOTTOM EDGE OF SIGN PANEL TO THE GROUND

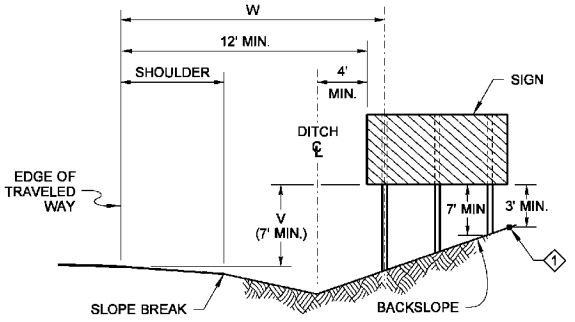
GUIDE OR DIRECTIONAL SIGN WITH SECONDARY SIGN INSTALLATION ON EXPRESSWAYS AND FREEWAYS



SIGN INSTALLATION IN CURB SECTION



SIGN INSTALLATION IN DITCH SECTION



MULTIPLE SIGN POST INSTALLATION IN DITCH SECTION

NOTES

1. Refer to the Sign Specification Sheet of the Contract for the 'V' and 'W' distances.
2. The minimum vertical distance from the bottom of the sign to the ground shall not be less than 7' (ft) for signs located within the Design Clear Zone.

JOHN C. NISBET
STATE OF WASHINGTON
29115
REGISTERED
PROFESSIONAL ENGINEER

Nisbet, John
Jun 22 2015 9:43 AM

GROUND-MOUNTED SIGN PLACEMENT

STANDARD PLAN G-20.10-02

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Jun 23 2015 7:35 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

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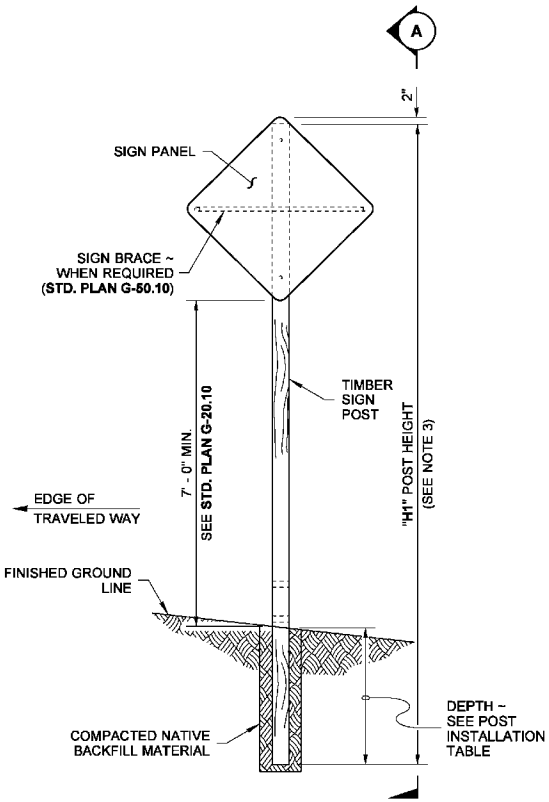
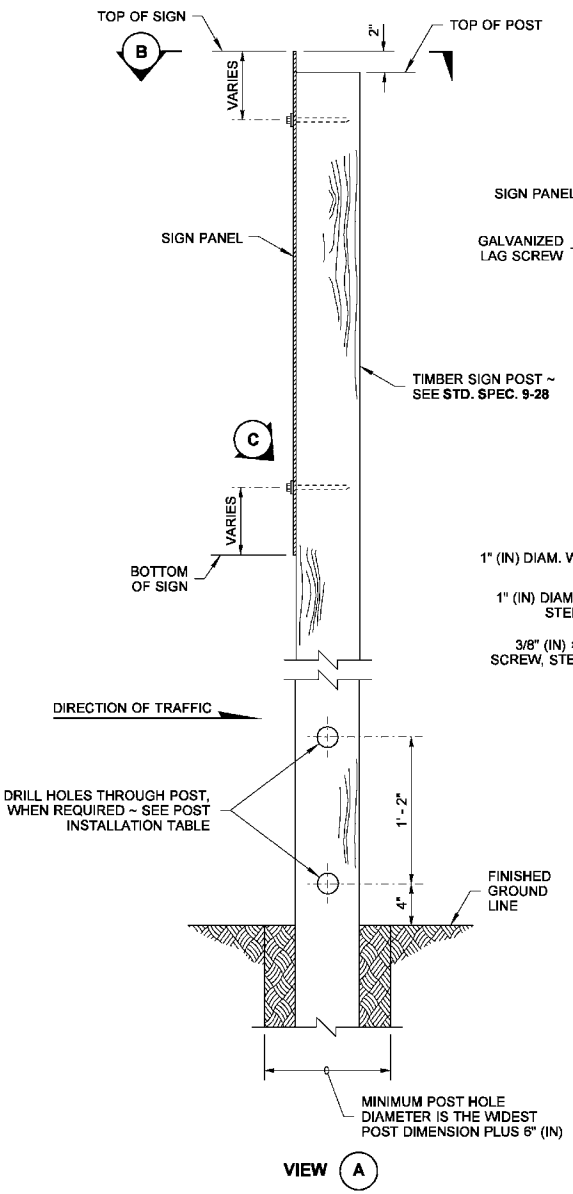
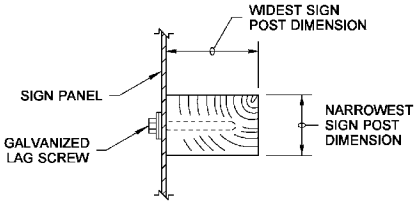


ELEVATION VIEW

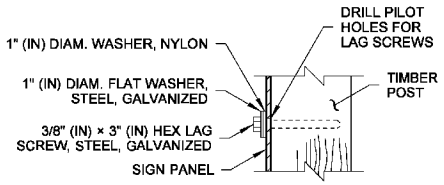
SINGLE-POST INSTALLATION



VIEW A



VIEW B



DETAIL C

NOTES

1. Notch is only required with multiple post installations.
2. 6×10, 8×10, and 6×12 Timber Sign Posts cannot be made breakaway and do not have holes or notches. These posts shall not be installed within the Design Clear Zone. They may be installed behind traffic barrier.
3. For "**X**", "**Y**", "**H1**", "**H2**", "**H3**", and "**H4**", refer to the Sign Specification Sheet in the Contract.
4. For 6×6 posts and larger, 7' (ft) minimum spacing is required between posts.
5. All materials shall meet the requirements of **Standard Specification 9-28**.

POST INSTALLATION TABLE

POST SIZE (NOM.)	DEPTH	HOLE DIAMETER	NOTCH DEPTH (SEE NOTE 1)
4×4	3' - 0"	NOT REQ'D	NOT REQ'D
4×6	4' - 0"	1 1/2"	1 1/2"
6×6	4' - 0"	2" SEE NOTES 3 & 4	2" SEE NOTES 3 & 4
6×8	5' - 0"	3" SEE NOTES 3 & 4	3" SEE NOTES 3 & 4
6×10	6' - 0"	SEE NOTE 2	SEE NOTE 2
8×10	6' - 0"	SEE NOTE 2	SEE NOTE 2
6×12	7' - 0"	SEE NOTE 2	SEE NOTE 2

JOHN C. NISBET STATE OF WASHINGTON 29115 REGISTERED PROFESSIONAL ENGINEER

Nisbet, John
Jul 7 2015 3:57 PM
cosign

TIMBER SIGN SUPPORT

STANDARD PLAN G-22.10-03

SHEET 1 OF 3 SHEETS

APPROVED FOR PUBLICATION
Carpenter, Jeff
Jul 10 2015 7:22 AM
STATE DESIGN ENGINEER
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Washington State Department of Transportation

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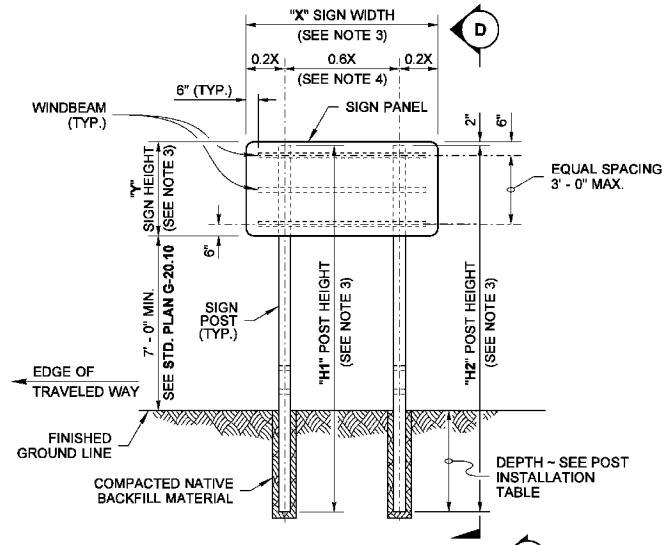
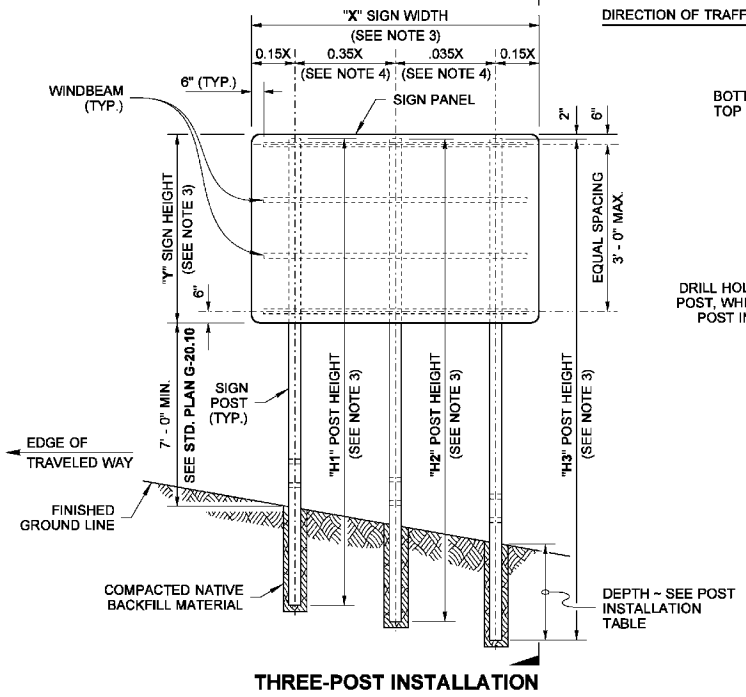
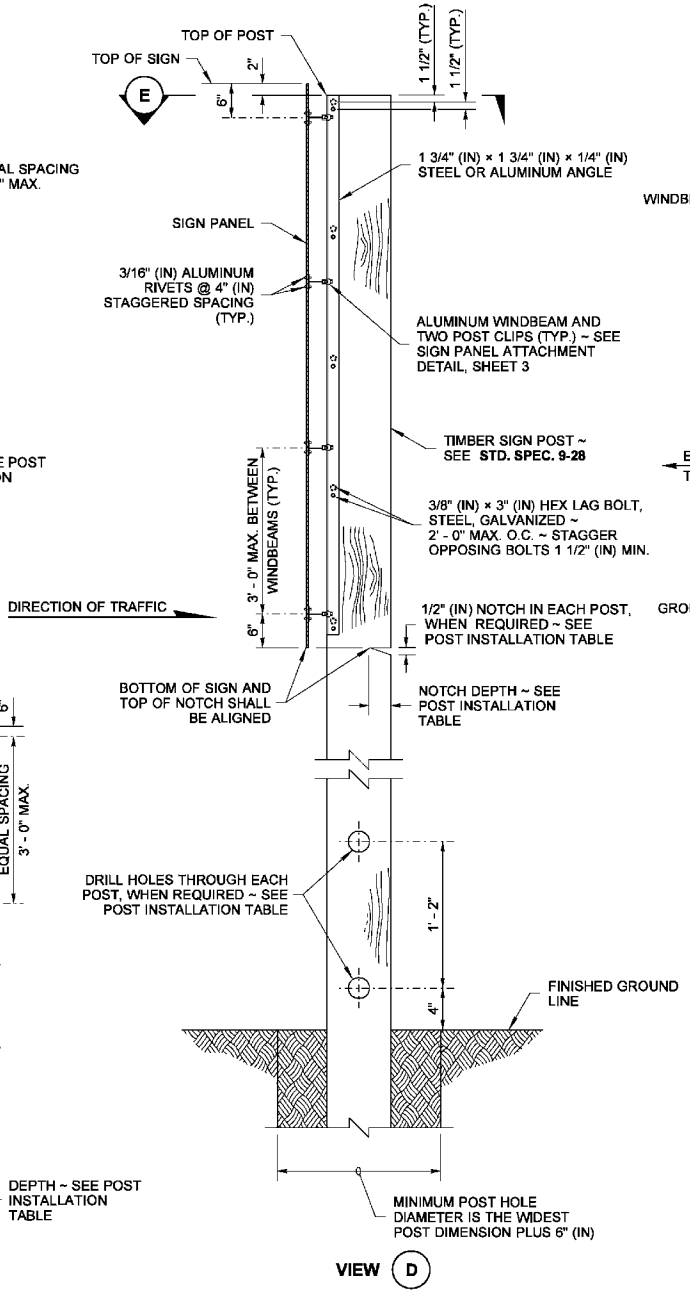


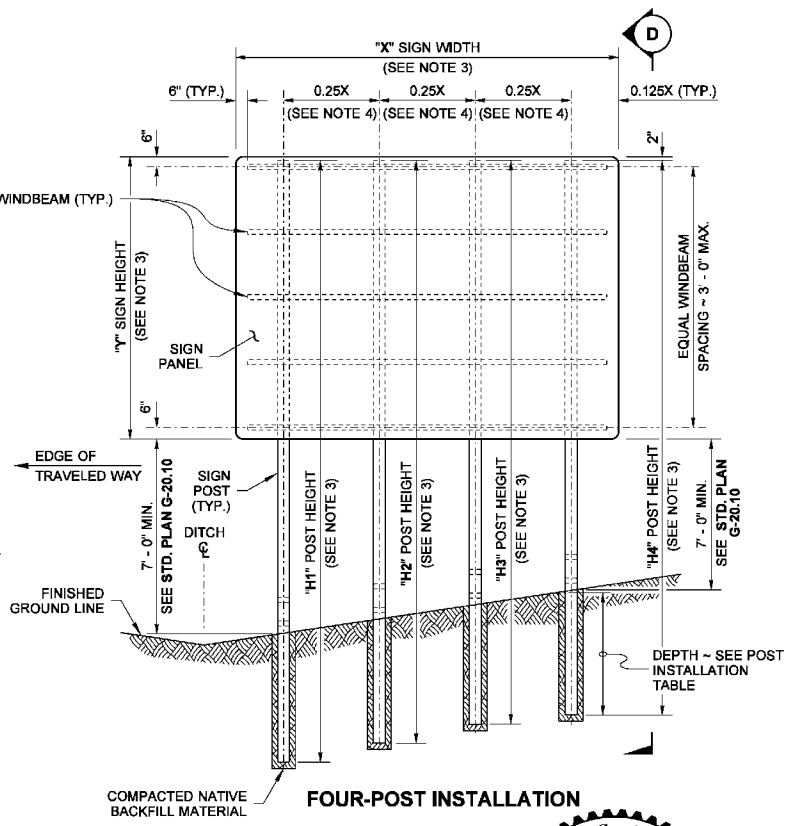
TWO-POST INSTALLATION



THREE-POST INSTALLATION



VIEW D



FOUR-POST INSTALLATION

JOHN C. NISBET
STATE OF WASHINGTON
29115
REGISTERED
PROFESSIONAL ENGINEER

Nisbet, John
Jul 7 2015 3:58 PM

TIMBER SIGN SUPPORT

STANDARD PLAN G-22.10-03

SHEET 2 OF 3 SHEETS

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Carpenter, Jeff
Jul 10 2015 7:22 AM
STATE DESIGN ENGINEER

Washington State Department of Transportation

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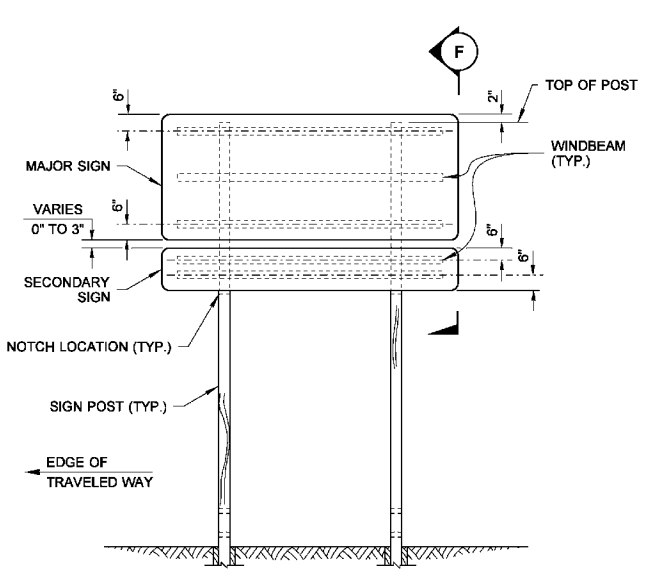
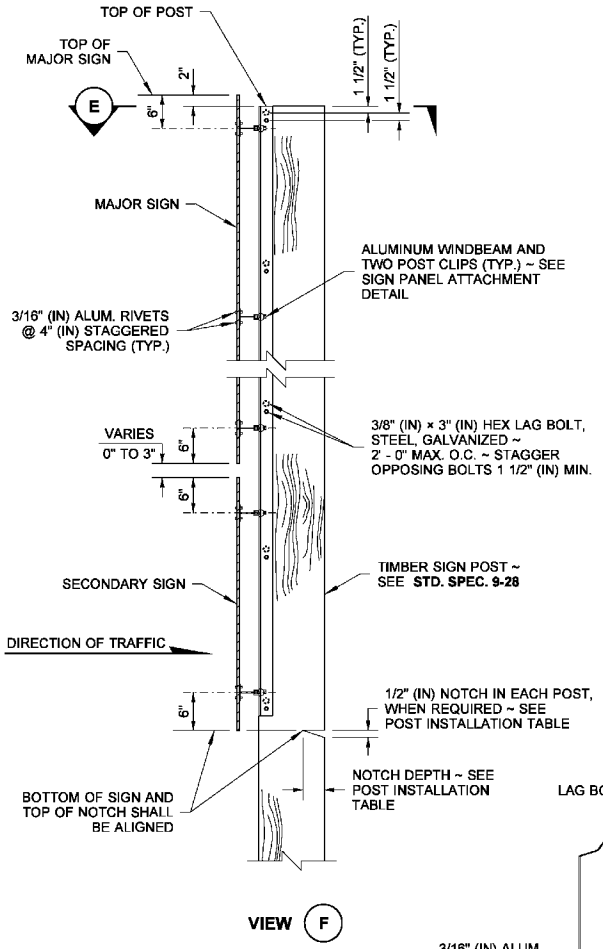
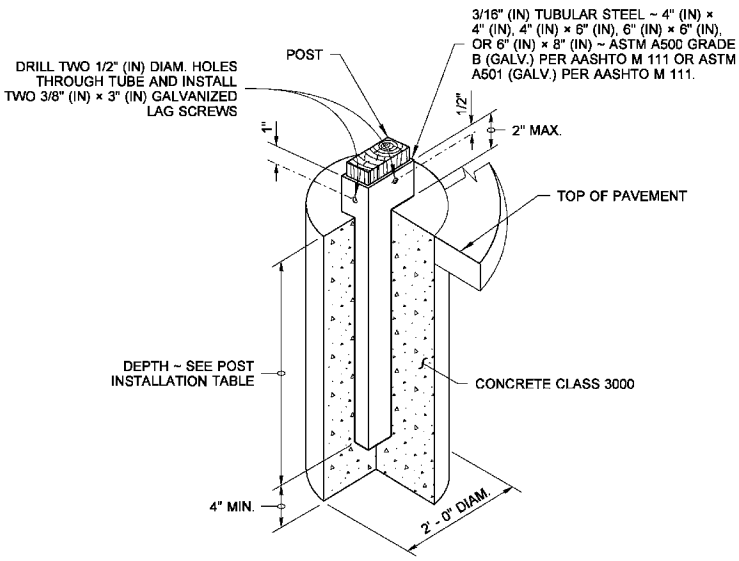


MAJOR AND SECONDARY SIGN INSTALLATION



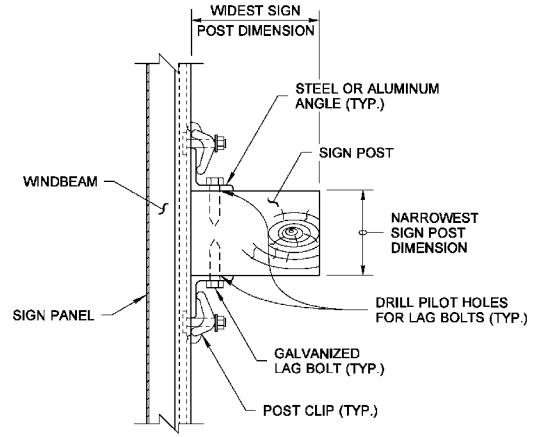
VIEW (F)



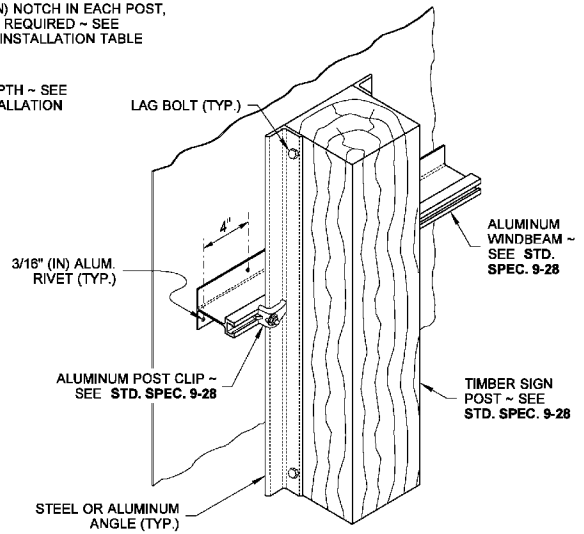
ISOMETRIC VIEW

CONCRETE FOUNDATION SLEEVE DETAIL

TO BE USED WHEN PLACING TIMBER POST IN A PAVED AREA



VIEW (E)



ISOMETRIC VIEW

SIGN PANEL ATTACHMENT DETAIL

JOHN C. NISBET
STATE OF WASHINGTON
29115
REGISTERED
PROFESSIONAL ENGINEER

Nisbet, John
Jul 7 2015 3:59 PM
cosign

TIMBER SIGN SUPPORT

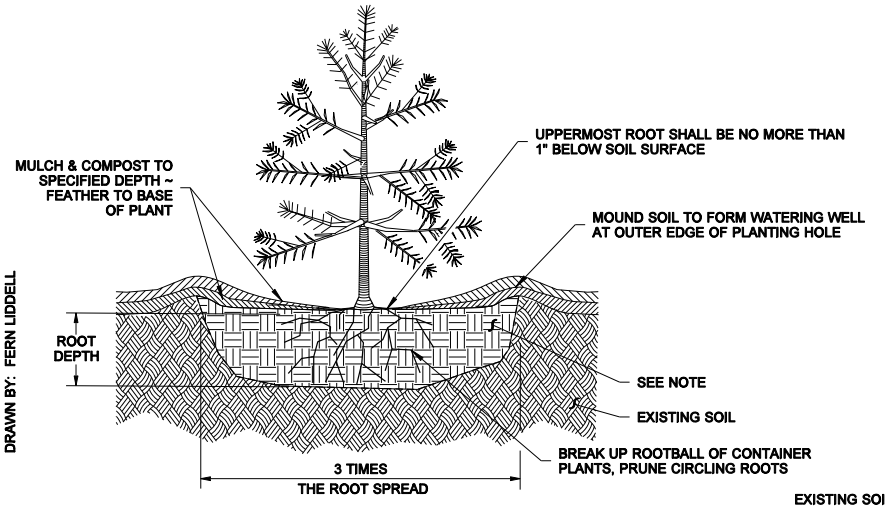
STANDARD PLAN G-22.10-03

SHEET 3 OF 3 SHEETS

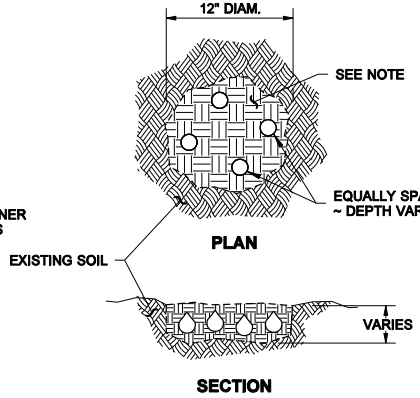
APPROVED FOR PUBLICATION
Carpenter, Jeff
Jul 10 2015 7:23 AM
STATE DESIGN ENGINEER
cosign

Washington State Department of Transportation

DRAWN BY: FERN LIDDELL



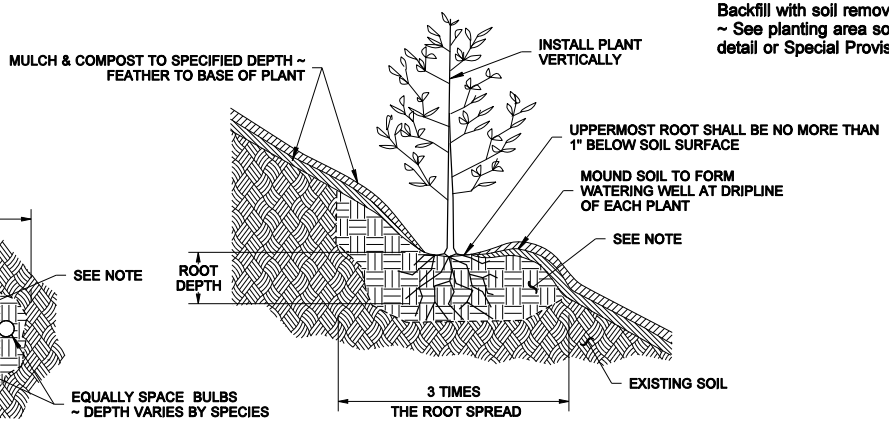
SHRUB, TREE AND GROUND COVER PLANTING DETAIL



BULB PLANTING DETAIL

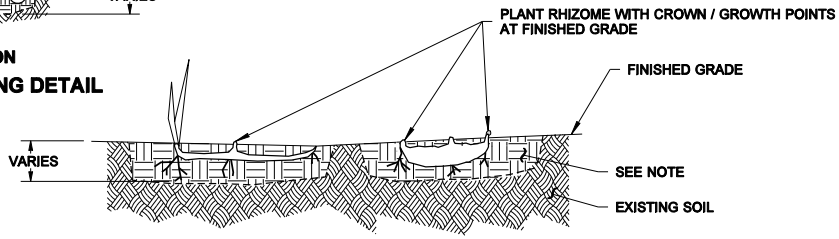
NOTE

Backfill with soil removed from hole ~ See planting area soil preparation detail or Special Provisions.

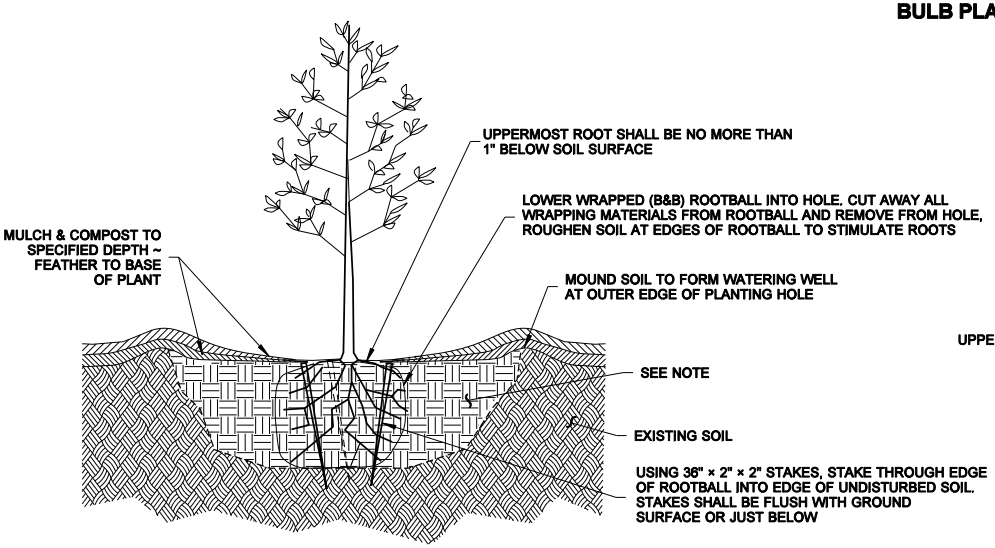


SLOPE PLANTING DETAIL

(INCLUDES ALL PLANTS ON SLOPES)

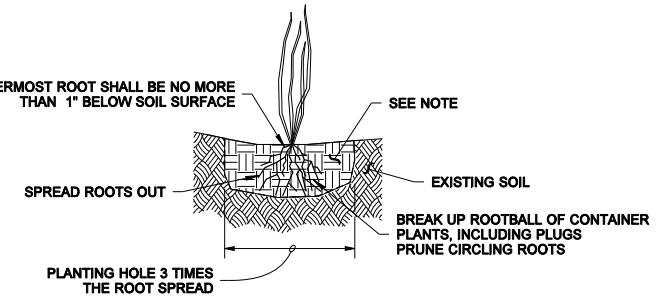


TUBER OR RHIZOME PLANTING DETAIL



STREET TREE PLANTING AND STAKING DETAIL

(APPLIES TO CONTAINER, BALL AND BURLAPPED, (B&B) DECIDUOUS AND CONIFERS)



EMERGENT PLANTING DETAIL

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT

SALLY A. ANDERSON

CERTIFICATE NO. 000372

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TREE AND SHRUB PLANTING DETAILS

STANDARD PLAN H-10.10-00

SHEET 1 OF 1 SHEET

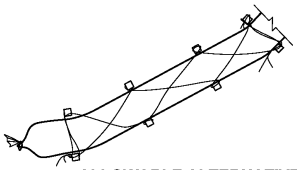
APPROVED FOR PUBLICATION

Pasco Bakotich III — STATE DESIGN ENGINEER

07-03-08 — DATE

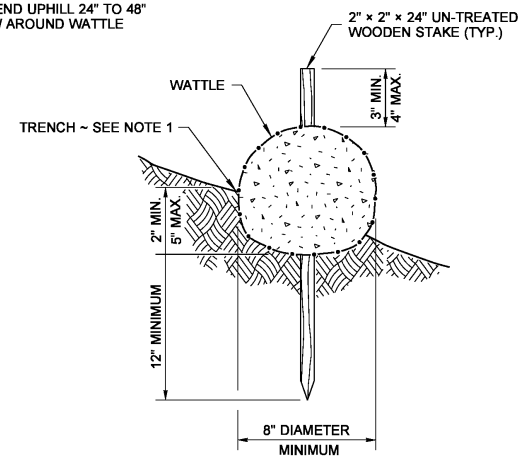
Washington State Department of Transportation

DRAWN BY: FERN LIDDELL

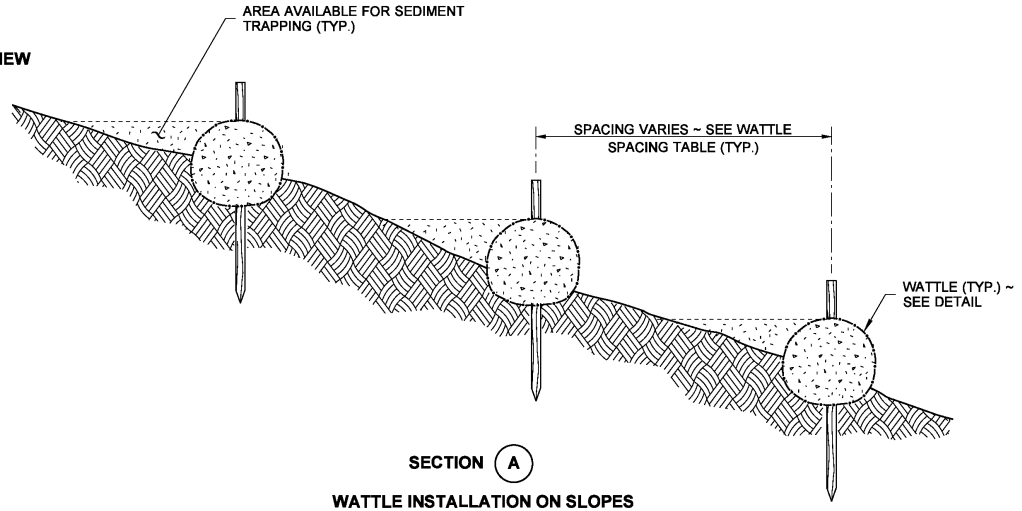


ALLOWABLE ALTERNATIVE
TIE-DOWN METHOD

PLAN VIEW



WATTLE DETAIL



SECTION (A)

WATTLE INSTALLATION ON SLOPES

8" DIAMETER WATTLE SPACING TABLE	
SLOPE	**MAXIMUM SPACING**
1H : 1V	10' - 0"
2H : 1V	20' - 0"
3H : 1V	30' - 0"
4H : 1V	40' - 0"

NOTES

1. Wattles shall be in accordance with **Standard Specification 9-14.5(5).** Install Wattles along contours. Installation shall be in accordance with **Standard Specification 8-01.3(10)**.
2. Securely knot each end of Wattle. Overlap adjacent Wattle ends 12" behind one another and securely tie together.
3. Compact excavated soil and trenches to prevent undercutting. Additional staking may be necessary to prevent undercutting.
4. Install Wattle perpendicular to flow along contours.
5. Wattles shall be inspected regularly, and immediately after a rainfall produces runoff, to ensure they remain thoroughly entrenched and in contact with the soil.
6. Perform maintenance in accordance with **Standard Specification 8-01.3(15).**
7. Refer to **Standard Specification 8-01.3(16)** for removal.

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
Sandra L. Salisbury
SANDRA L. SALISBURY
LICENSE NO. 860
DATE: June 10, 2013

WATTLE INSTALLATION ON SLOPE

STANDARD PLAN I-30.30-01

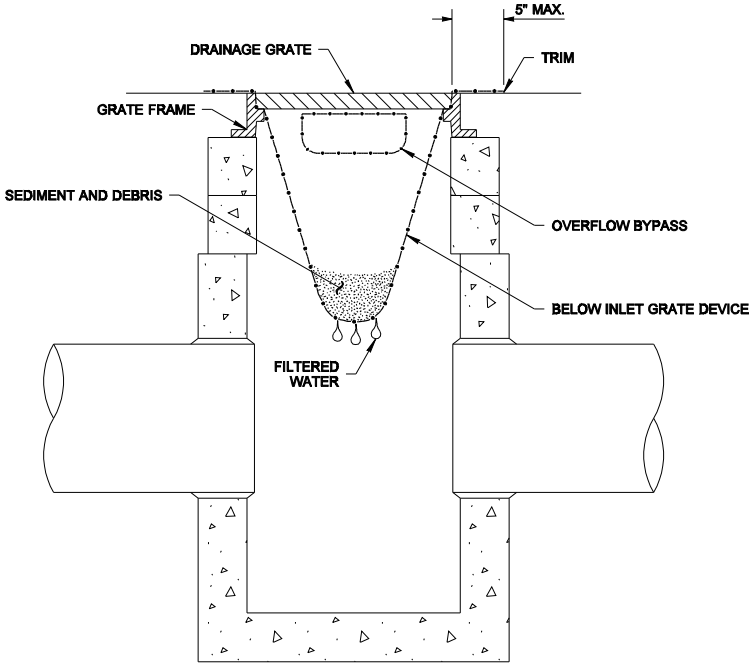
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Pasco Bakotich III — STATE DESIGN ENGINEER
6/10/13 — DATE

Washington State Department of Transportation

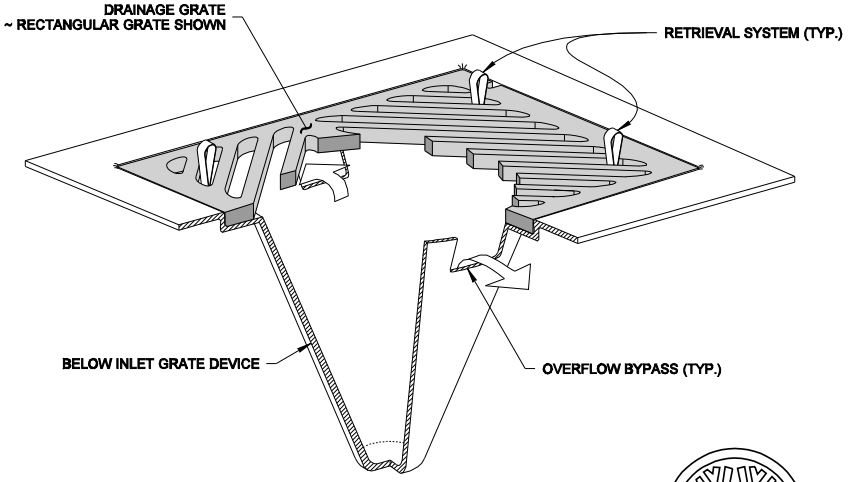
DRAWN BY: LISA CYFORD



SECTION VIEW
NOT TO SCALE

NOTES

1. Size the Below Inlet Grate Device (BIGD) for the storm water structure it will service.
2. The BIGD shall have a built-in high-flow relief system (overflow bypass).
3. The retrieval system must allow removal of the BIGD without spilling the collected material.
4. Perform maintenance in accordance with Standard Specification 8-01.3(15).



ISOMETRIC VIEW

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT

MARK W. MAURER
CERTIFICATE NO. 000598

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STORM DRAIN INLET PROTECTION

STANDARD PLAN I-40.20-00

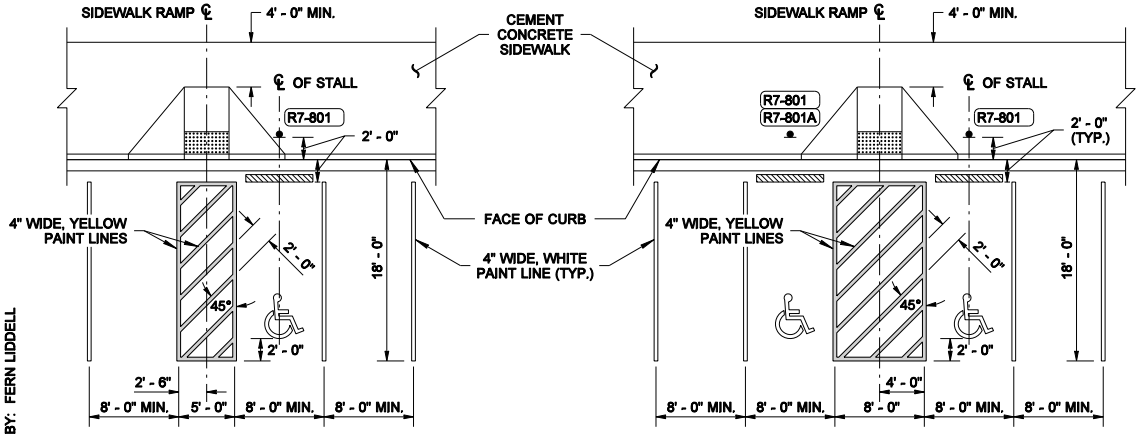
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Pasco Bakotich III — STATE DESIGN ENGINEER
09-20-07 — DATE

Washington State Department of Transportation

DRAWN BY: FERN LIDDELL



PLAN

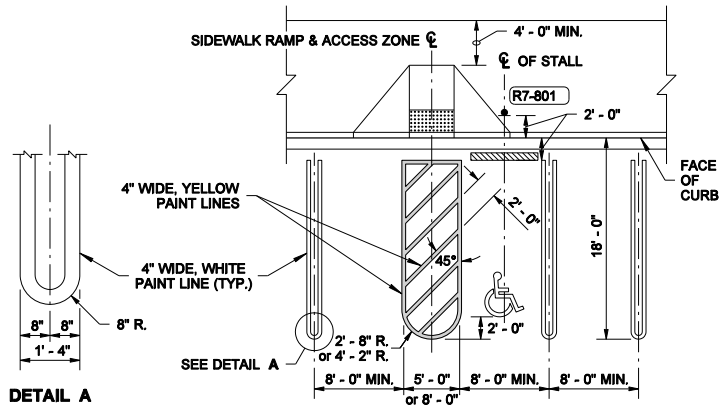
ONE ACCESSIBLE STALL

90° PARKING STALL ARRANGEMENT

PLAN

TWO ACCESSIBLE STALLS

90° PARKING STALL ARRANGEMENT

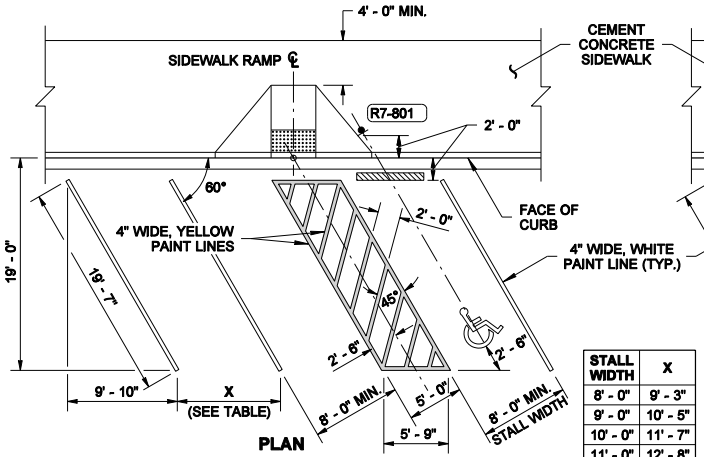


DETAIL A

PLAN

ALTERNATIVE PARKING STALL MARKINGS

USE ONLY WHEN SPECIFIED IN THE CONTRACT

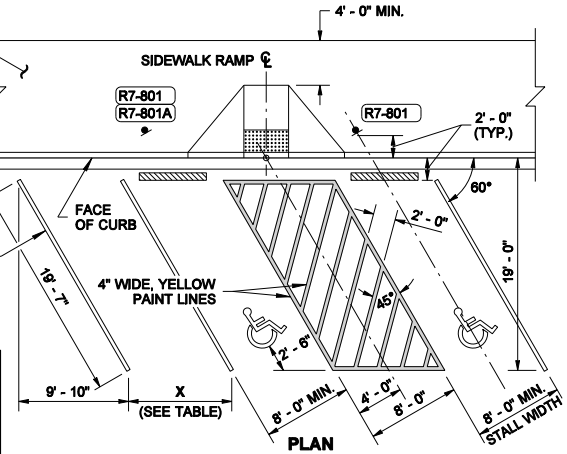


STALL WIDTH	X
8' - 0"	9' - 3"
9' - 0"	10' - 5"
10' - 0"	11' - 7"
11' - 0"	12' - 8"
12' - 0"	13' - 10"

PLAN

ONE ACCESSIBLE STALL

60° PARKING STALL ARRANGEMENT



PLAN

TWO ACCESSIBLE STALLS

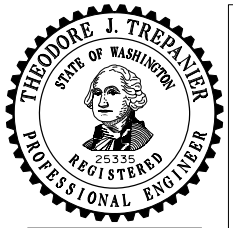
60° PARKING STALL ARRANGEMENT

NOTES

1. Three, four and five accessible stall arrangements may be either 60° (angled) or 90° (perpendicular) parking arrangements. See Contract.
2. An Access Parking Space Symbol is required for each accessible parking stall. A blue background and white border are required when the symbol is installed on a cement concrete surface.
3. All accessible stalls shall have wheel stops. Place wheel stops in other stalls when specified in the contract. Wheel stops shall be approximately 6" high and a minimum of 6' long.
4. Refer to the Standard Plans for sidewalk ramp, detectable warning pattern, and curb details.

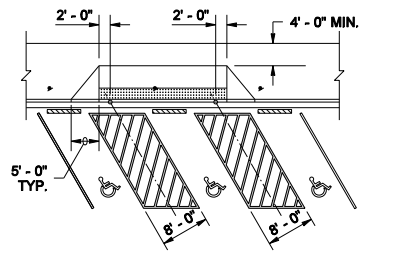
LEGEND

- R7-801 — Reserved Parking Sign and post with R7-801A Plaque, if indicated (See Sign Fabrication Manual)
- Access Parking Space Symbol
- Manufactured wheel stop
- Detectable Warning Pattern

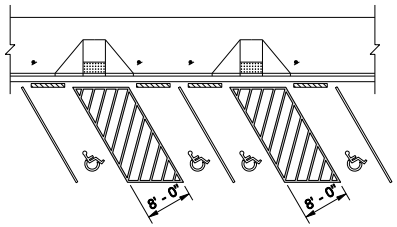


EXPIRES AUGUST 9, 2009

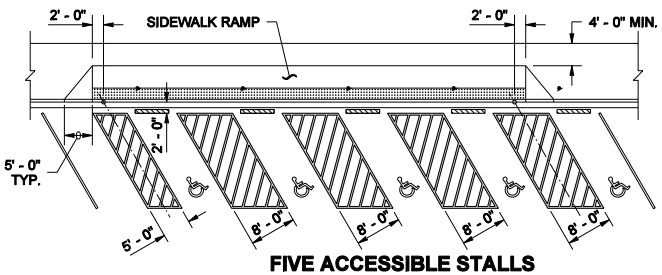
NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.



THREE ACCESSIBLE STALLS



FOUR ACCESSIBLE STALLS



FIVE ACCESSIBLE STALLS

PARKING SPACE LAYOUTS

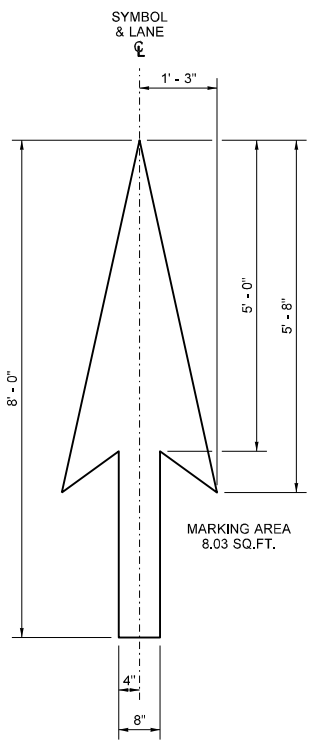
STANDARD PLAN M-17.10-02

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Pasco Bakotich III — STATE DESIGN ENGINEER — *07-03-08* — DATE

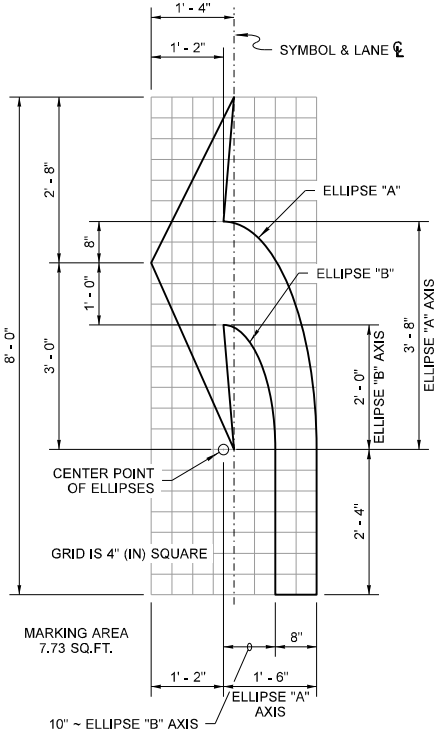
Washington State Department of Transportation



TYPE 1S
TRAFFIC ARROW

TYPE 2SR (RIGHT)
TRAFFIC ARROW

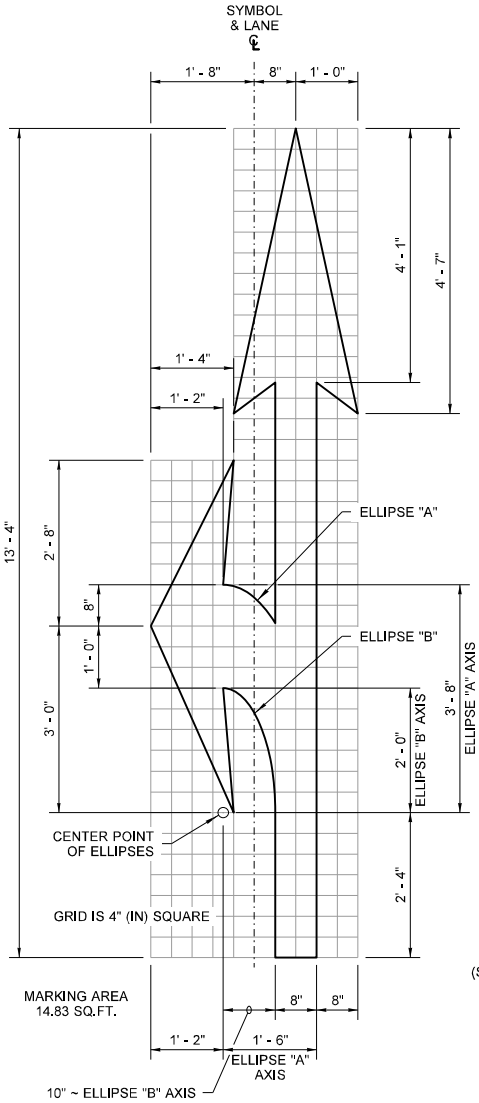
MIRROR IMAGE OF
TYPE 2SL TRAFFIC ARROW
(SHOWN AT REDUCED SCALE)



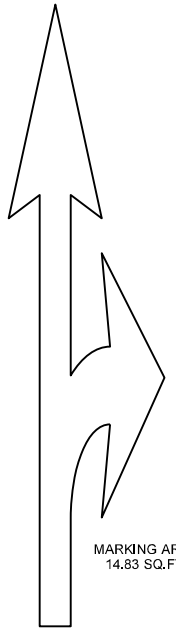
TYPE 2SL (LEFT) TRAFFIC ARROW

NOTE

Use the dimensions shown on this plan for each type of Traffic Arrow being placed on roadways with a posted speed limit of 40 mph or lower.

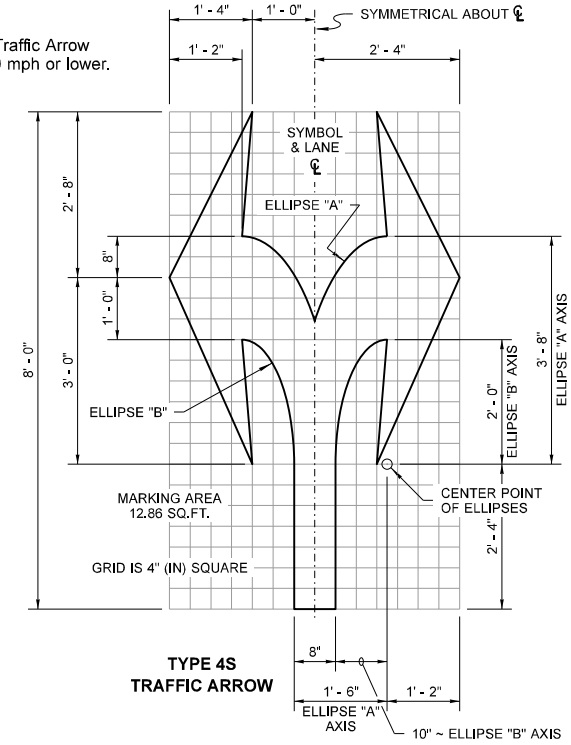


TYPE 3SL (LEFT) TRAFFIC ARROW



TYPE 3SR (RIGHT)
TRAFFIC ARROW

MIRROR IMAGE OF
TYPE 3SL TRAFFIC ARROW
(SHOWN AT REDUCED SCALE)



TYPE 4S
TRAFFIC ARROW

BRIAN J. WALSH
STATE OF WASHINGTON
36103
REGISTERED
PROFESSIONAL ENGINEER

Walsh, Brian
Apr 16 2015 2:21 PM

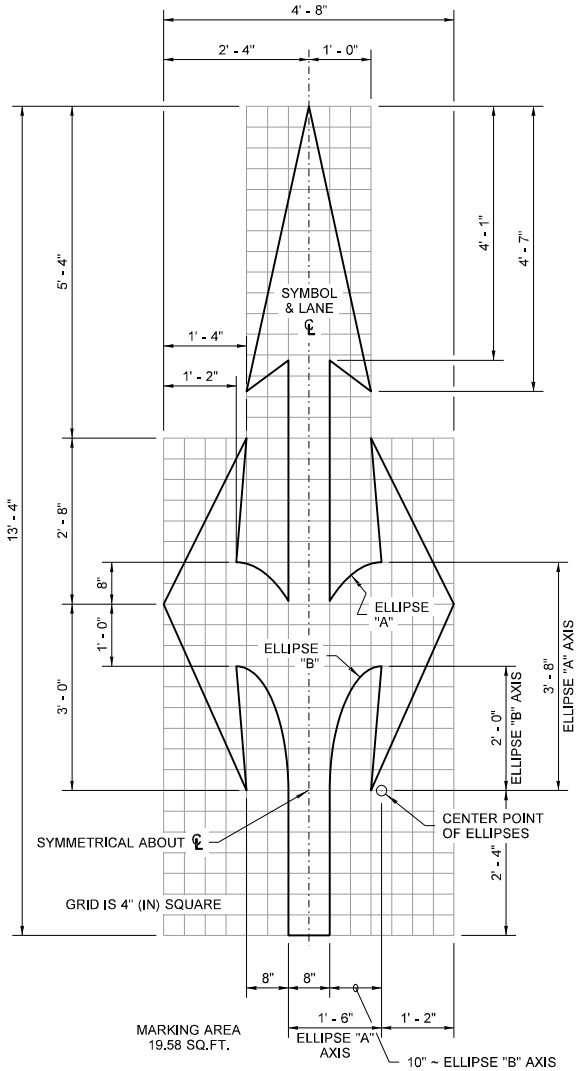
SYMBOL MARKINGS ~ TRAFFIC ARROWS FOR LOW-SPEED ROADWAYS

STANDARD PLAN M-24.40-02

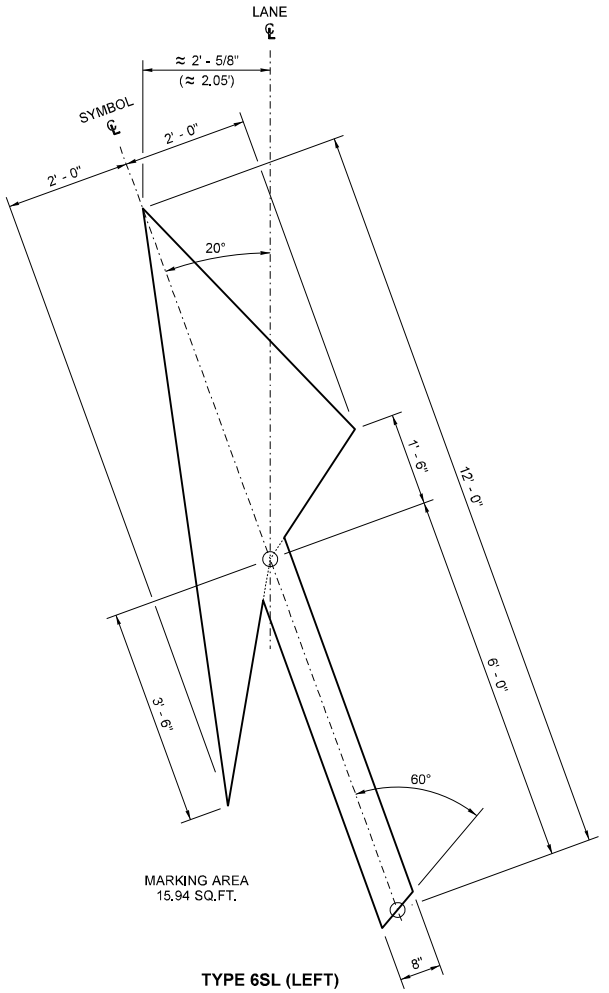
SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION
Bakotich, Pasco
Apr 20 2015 10:11 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

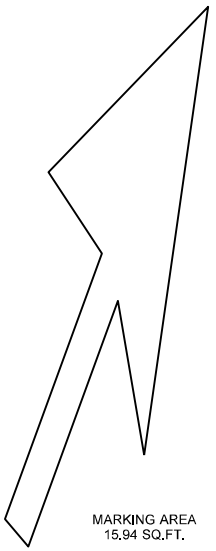
DRAWN BY: COLBY FLETCHER



TYPE 7S TRAFFIC ARROW



TYPE 6SL (LEFT)
TRAFFIC ARROW



TYPE 6SR (RIGHT)
TRAFFIC ARROW

MIRROR IMAGE OF TYPE 6SL
(MIRRORED ABOUT LANE CENTERLINE)
(SHOWN AT REDUCED SCALE)

BRIAN J. WALSH
STATE OF WASHINGTON
36103
REGISTERED
PROFESSIONAL ENGINEER

Walsh, Brian
Apr 16 2015 2:21 PM

SYMBOL MARKINGS ~ TRAFFIC ARROWS FOR LOW-SPEED ROADWAYS

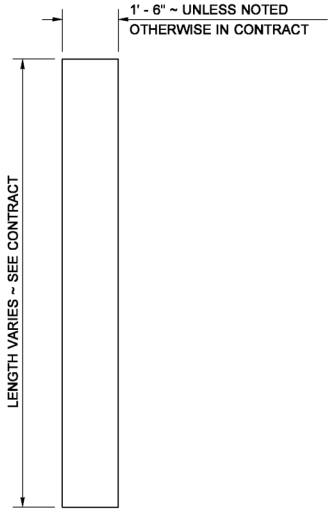
STANDARD PLAN M-24.40-02

SHEET 2 OF 2 SHEETS

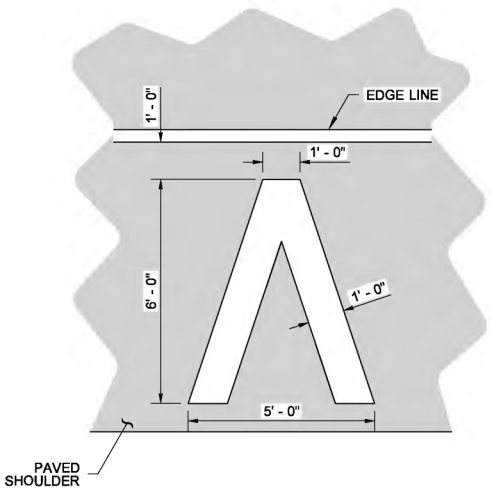
APPROVED FOR PUBLICATION
Bakotich, Pasco
Apr 20 2015 10:11 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

DRAWN BY: COLBY FLETCHER

DRAWN BY: LISA CYFORD

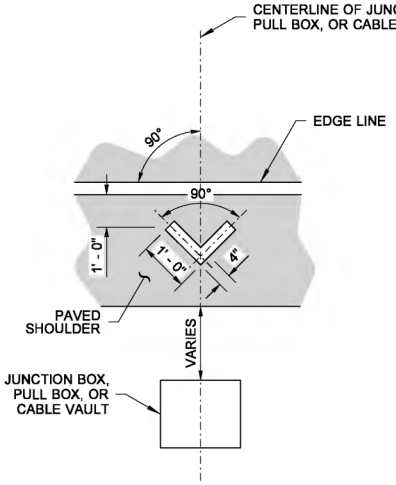


STOP LINE



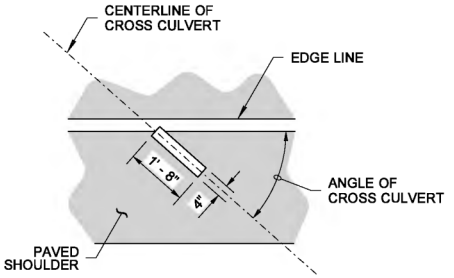
MARKING AREA = 11.73 SQ.FT.

HALF-MILE MARKER



MARKING AREA = 0.56 SQ. FT.

JUNCTION BOX, PULL BOX, OR CABLE VAULT MARKINGS



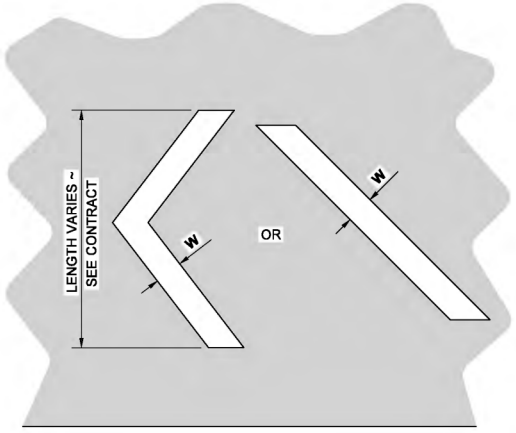
MARKING AREA = 0.56 SQ.FT.

CROSS CULVERT

DRAINAGE MARKING

NOTE

1. If Rumble Strips are present, install marking outside of the Rumble Strip.

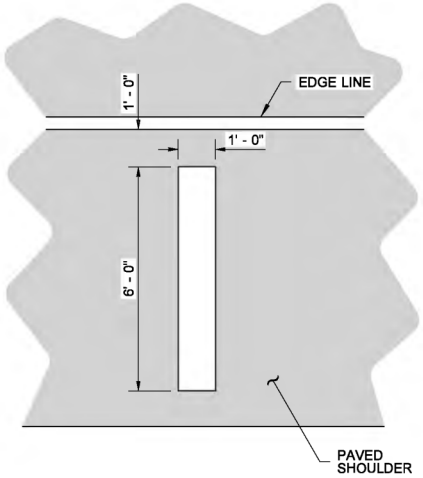


WHITE OR YELLOW ~ SEE CONTRACT

CHEVRON OR DIAGONAL

CROSSHATCH MARKING

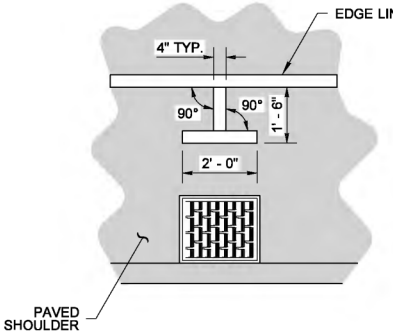
W = 8" (IN) FOR POSTED SPEED LIMIT OF 40 MPH OR LOWER
W = 12" (IN) FOR POSTED SPEED LIMIT OF 45 MPH OR HIGHER



MARKING AREA = 6.00 SQ.FT.

FULL MILE MARKER

AERIAL SURVEILLANCE MARKERS



MARKING AREA = 1.06 SQ.FT.

DRAINAGE STRUCTURE INLET

DRAINAGE MARKING

BRIAN J. WALSH
STATE OF WASHINGTON
36103
REGISTERED
PROFESSIONAL ENGINEER

Walsh, Brian
Jun 24 2014 2:35 PM

SYMBOL MARKINGS MISCELLANEOUS

STANDARD PLAN M-24.60-04

SHEET 1 OF 2 SHEETS

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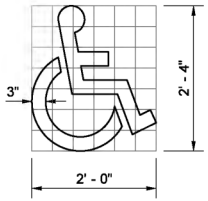
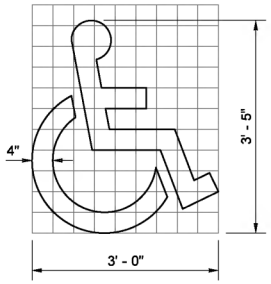
Washington State Department of Transportation

DRAWN BY: LISA CYFORD



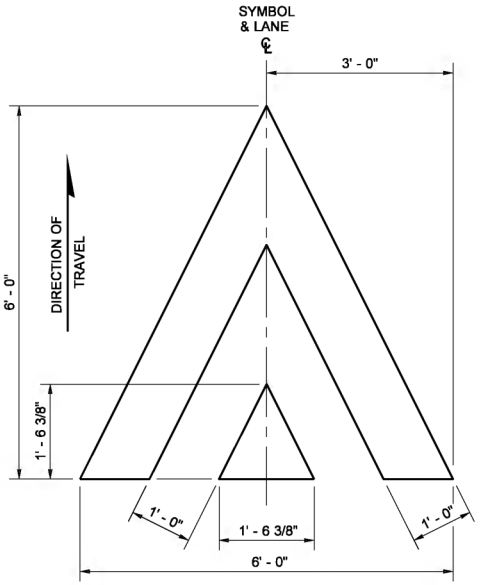
GRID IS 4" (IN) SQUARE MARKING AREA = 1.41 SQ.FT.

ACCESS PARKING SPACE SYMBOL (MINIMUM)



GRID IS 4" (IN) SQUARE MARKING AREA = 3.09 SQ.FT.

ACCESS PARKING SPACE SYMBOL (STANDARD)

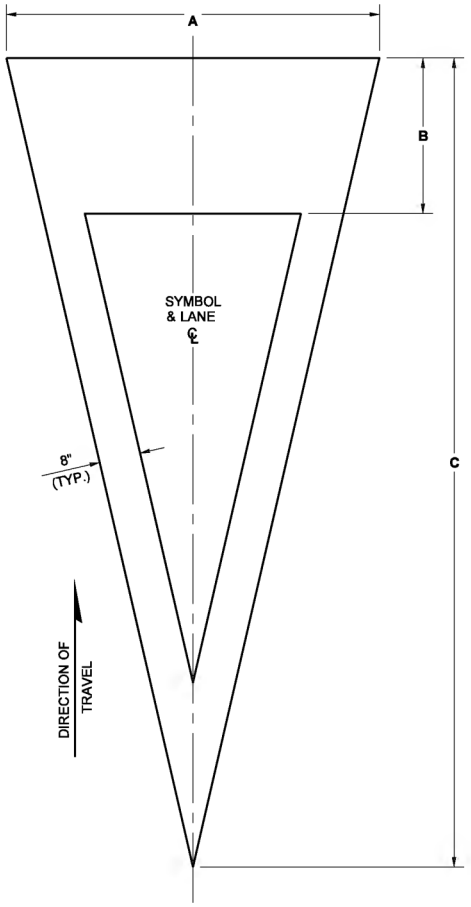


MARKING AREA = 12.08 SQ.FT.

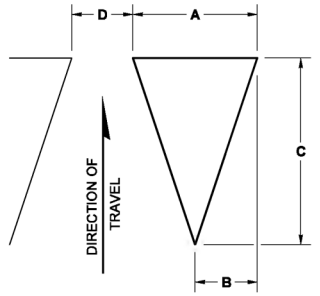
SPEED BUMP SYMBOL

SYMBOL MARKING		A	B	C	D	USE	MARKING AREA
YIELD AHEAD SYMBOL	TYPE 1	6' - 0"	2' - 6"	13' - 0"	N/A	LESS THAN 45 MPH	25.90 SQ.FT.
	TYPE 2	6' - 0"	3' - 0"	20' - 0"	N/A	45 MPH OR GREATER	36.54 SQ.FT.
YIELD LINE SYMBOL	TYPE 1	1' - 0"	6"	1' - 6"	6"	LESS THAN 45 MPH	0.75 SQ.FT.
	TYPE 2	2' - 0"	1' - 0"	3' - 0"	1' - 0"	45 MPH OR GREATER	3.00 SQ.FT.
	TYPE 2	2' - 0"	1' - 0"	3' - 0"	1' - 0"	ROUNDABOUT ENTRY *	3.00 SQ.FT.

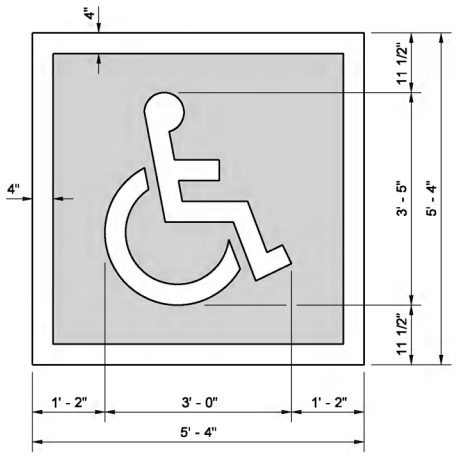
* MINIMUM OF 4 IN LANE



YIELD AHEAD SYMBOL

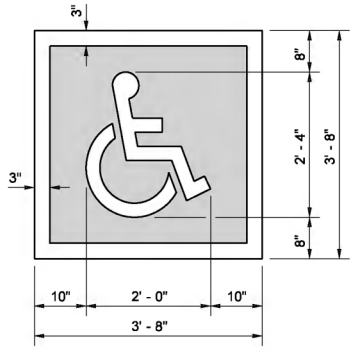


YIELD LINE SYMBOL
(MULTIPLE SYMBOLS REQUIRED FOR TRANSVERSE YIELD LINE ~ SEE CONTRACT)



TOTAL MARKING AREA = 28.44 SQ.FT.
WHITE = 9.76 SQ.FT. BLUE = 18.69 SQ.FT.

ACCESS PARKING SPACE SYMBOL (STANDARD)
WITH BLUE BACKGROUND AND WHITE BORDER
(REQUIRED FOR CEMENT CONCRETE SURFACES)



TOTAL MARKING AREA = 13.44 SQ.FT.
WHITE = 4.82 SQ.FT. BLUE = 8.62 SQ.FT.

ACCESS PARKING SPACE SYMBOL (MINIMUM)
WITH BLUE BACKGROUND AND WHITE BORDER
(REQUIRED FOR CEMENT CONCRETE SURFACES)

BRIAN J. WALSH
STATE OF WASHINGTON
36103
REGISTERED
PROFESSIONAL ENGINEER

Walsh, Brian
Jun 24 2014 2:37 PM

SYMBOL MARKINGS MISCELLANEOUS

STANDARD PLAN M-24.60-04

SHEET 2 OF 2 SHEETS

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Jun 24 2014 4:43 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation

APPENDIX B

PREVAILING WAGE RATES

WAGE RATES:

The Contract is subject to the minimum wage requirements of RCW 39.12 and to RCW 49.28 as amended or supplemented. The Contractor, any Subcontractor, and all individuals or firms required by RCW 39.12, WAC 296-127, or the Federal Davis-Bacon and Related Acts (DBRA) to pay minimum prevailing wages, shall not pay any worker less than the minimum hourly wage rates and fringe benefits required by RCW 39.12 or the DBRA.

The Contractor shall be required to furnish to the Washington State Department of Labor and Industries and to the City a “Statement of Intent to Pay Prevailing Wages” and “Affidavit of Prevailing Wages Paid” along with Certified Payrolls as required in Section 1-07.9(5) of the Standard Specifications.

Prevailing Wages can be reviewed on the Washington State Department of Labor and Industries web page at https://fortress.wa.gov/lni/wagelookup.

****

Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.

E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.

J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.

K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

1. O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.

   P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

   Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.

   R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.

   S. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays and all other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

   U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

   V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.

   W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer)) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

   X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.

   Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.

   Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

Overtime Codes Continued

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.

   C. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at two times the hourly rate of wage.

   F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.

   G. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.

   H. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.

   O. All hours worked on Sundays and holidays shall be paid at one and one-half times the hourly rate of wage.

   R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.

   U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.

   W. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The first eight (8) hours worked on the fifth day shall be paid at one and one-half times the hourly rate of wage. All other hours worked on the fifth, sixth, and seventh days and on holidays shall be paid at double the hourly rate of wage.

3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   A. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay. Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar ($1.00) per hour for all hours worked that shift. The employer shall have the sole discretion to assign overtime work to employees. Primary consideration for overtime work shall be given to employees regularly assigned to the work to be performed on overtime situations. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

   C. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays shall be paid at double the hourly rate of wage. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

Overtime Codes Continued

3. D. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 15% over the hourly rate of wage. All other hours worked after 6:00 am on Saturdays, shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

   E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.

   F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.

   H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.

   I. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions during a five day work week (Monday through Friday,) or a four day-ten hour work week (Tuesday through Friday,) then Saturday may be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.

   B. All hours worked over twelve (12) hours per day and all hours worked on holidays shall be paid at double the hourly rate of wage.

   C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

Overtime Codes Continued

4. D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:
On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

F. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 20% over the hourly rate of wage. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).

B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).

C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).

H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).

Holiday Codes Continued

5. I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).

J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).

K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).

L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).

N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).

P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.

Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).

R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).

S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).

T. Paid Holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And The Day Before Or After Christmas (9).

Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

6. A. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

E. Paid Holidays: New Year's Day, Day Before Or After New Year's Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and a Half-Day On Christmas Eve Day. (9 1/2).

G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).

H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).

I. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (7).

Holiday Codes Continued

6. T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).

   Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.

7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

   B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

   H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Holiday Codes Continued

7. K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.

P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

T. Paid Holidays: New Year's Day, the Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and The Day after or before Christmas Day. (10). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Note Codes

8. A. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
Over 50' To 100' -$2.00 per Foot for Each Foot Over 50 Feet
Over 100' To 150' -$3.00 per Foot for Each Foot Over 100 Feet
Over 150' To 220' -$4.00 per Foot for Each Foot Over 150 Feet
Over 220' -$5.00 per Foot for Each Foot Over 220 Feet

Note Codes Continued

8. C. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
Over 50' To 100' -$1.00 per Foot for Each Foot Over 50 Feet
Over 100' To 150' -$1.50 per Foot for Each Foot Over 100 Feet
Over 150' To 200' -$2.00 per Foot for Each Foot Over 150 Feet
Over 200' -Divers May Name Their Own Price

D. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $0.75, Level B: $0.50, And Level C: $0.25.

M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: $1.00, Levels C & D: $0.50.

N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $1.00, Level B: $0.75, Level C: $0.50, And Level D: $0.25.

P. Workers on hazmat projects receive additional hourly premiums as follows -Class A Suit: $2.00, Class B Suit: $1.50, Class C Suit: $1.00, And Class D Suit $0.50.

Q. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.

R. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.

S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: $2.00, Class B Suit: $1.50, And Class C Suit: $1.00. Workers performing underground work receive an additional $0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional $0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do "pioneer" work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional $0.50 per hour.

State of Washington
Department of Labor & Industries
Prevailing Wage Section - Telephone 360-902-5335
PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 6/16/2016

County	Trade	Job Classification	Wage	Holiday	Overtime	Note
King	Asbestos Abatement Workers	Journey Level	$43.95	5D	1H	
King	Boilermakers	Journey Level	$64.29	5N	1C	
King	Brick Mason	Journey Level	$52.82	5A	1M	
King	Brick Mason	Pointer-Caulker-Cleaner	$52.82	5A	1M	
King	Building Service Employees	Janitor	$22.09	5S	2F	
King	Building Service Employees	Traveling Waxer/Shampooer	$22.54	5S	2F	
King	Building Service Employees	Window Cleaner (Non-Scaffold)	$23.99	5S	2F	
King	Building Service Employees	Window Cleaner (Scaffold)	$26.78	5S	2F	
King	Cabinet Makers (In Shop)	Journey Level	$22.74		1	
King	Carpenters	Acoustical Worker	$54.02	5D	4C	
King	Carpenters	Bridge, Dock And Wharf Carpenters	$54.02	5D	4C	
King	Carpenters	Carpenter	$54.02	5D	4C	
King	Carpenters	Carpenters on Stationary Tools	$54.15	5D	4C	
King	Carpenters	Creosoted Material	$54.12	5D	4C	
King	Carpenters	Floor Finisher	$54.02	5D	4C	
King	Carpenters	Floor Layer	$54.02	5D	4C	
King	Carpenters	Scaffold Erector	$54.02	5D	4C	
King	Cement Masons	Journey Level	$53.95	7A	1M	
King	Divers & Tenders	Diver	$107.22	5D	4C	8A
King	Divers & Tenders	Diver On Standby	$64.42	5D	4C	
King	Divers & Tenders	Diver Tender	$58.33	5D	4C	
King	Divers & Tenders	Surface Rcv & Rov Operator	$58.33	5D	4C	
King	Divers & Tenders	Surface Rcv & Rov Operator Tender	$54.27	5A	4C	
King	Dredge Workers	Assistant Engineer	$56.44	5D	3F	
King	Dredge Workers	Assistant Mate (Deckhand)	$56.00	5D	3F	
King	Dredge Workers	Boatmen	$56.44	5D	3F	
King	Dredge Workers	Engineer Welder	$57.51	5D	3F	
King	Dredge Workers	Leverman, Hydraulic	$58.67	5D	3F	

King	Dredge Workers	Mates	$56.44	5D	3F	
King	Dredge Workers	Oiler	$56.00	5D	3F	
King	Drywall Applicator	Journey Level	$54.02	5D	1H	
King	Drywall Tapers	Journey Level	$54.07	5P	1E	
King	Electrical Fixture Maintenance Workers	Journey Level	$27.24	5L	1E	
King	Electricians - Inside	Cable Splicer	$69.77	7C	4E	
King	Electricians - Inside	Cable Splicer (tunnel)	$74.95	7C	4E	
King	Electricians - Inside	Certified Welder	$67.41	7C	4E	
King	Electricians - Inside	Certified Welder (tunnel)	$72.37	7C	4E	
King	Electricians - Inside	Construction Stock Person	$37.94	7C	4E	
King	Electricians - Inside	Journey Level	$65.05	7C	4E	
King	Electricians - Inside	Journey Level (tunnel)	$69.77	7C	4E	
King	Electricians - Motor Shop	Craftsman	$15.37		1	
King	Electricians - Motor Shop	Journey Level	$14.69		1	
King	Electricians - Powerline Construction	Cable Splicer	$74.92	5A	4D	
King	Electricians - Powerline Construction	Certified Line Welder	$65.71	5A	4D	
King	Electricians - Powerline Construction	Groundperson	$44.12	5A	4D	
King	Electricians - Powerline Construction	Heavy Line Equipment Operator	$65.71	5A	4D	
King	Electricians - Powerline Construction	Journey Level Lineperson	$65.71	5A	4D	
King	Electricians - Powerline Construction	Line Equipment Operator	$55.34	5A	4D	
King	Electricians - Powerline Construction	Pole Sprayer	$65.71	5A	4D	
King	Electricians - Powerline Construction	Powderperson	$49.16	5A	4D	
King	Electronic Technicians	Journey Level	$31.00		1	
King	Elevator Constructors	Mechanic	$85.45	7D	4A	
King	Elevator Constructors	Mechanic In Charge	$92.35	7D	4A	
King	Fabricated Precast Concrete Products	All Classifications - In-Factory Work Only	$16.55	5B	1R	
King	Fence Erectors	Fence Erector	$15.18		1	
King	Flaggers	Journey Level	$37.26	7A	3I	
King	Glaziers	Journey Level	$56.16	7L	1Y	
King	Heat & Frost Insulators And Asbestos Workers	Journeyman	$63.18	5J	1S	
King	Heating Equipment Mechanics	Journey Level	$72.83	7F	1E	
King	Hod Carriers & Mason Tenders	Journey Level	$45.32	7A	3I	
King	Industrial Power Vacuum Cleaner	Journey Level	$9.47		1	
King	Inland Boatmen	Boat Operator	$56.78	5B	1K	
King	Inland Boatmen	Cook	$53.30	5B	1K	
King	Inland Boatmen	Deckhand	$53.30	5B	1K	

King	Inland Boatmen	Deckhand Engineer	$54.32	5B	1K	
King	Inland Boatmen	Launch Operator	$55.57	5B	1K	
King	Inland Boatmen	Mate	$55.57	5B	1K	
King	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	$31.49		1	
King	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	$11.48		1	
King	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	$24.91		1	
King	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	$19.33		1	
King	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	$20.45		1	
King	Insulation Applicators	Journey Level	$54.02	5D	4C	
King	Ironworkers	Journeyman	$63.53	7N	1O	
King	Laborers	Air, Gas Or Electric Vibrating Screed	$43.95	7A	3I	
King	Laborers	Airtrac Drill Operator	$45.32	7A	3I	
King	Laborers	Ballast Regular Machine	$43.95	7A	3I	
King	Laborers	Batch Weighman	$37.26	7A	3I	
King	Laborers	Brick Pavers	$43.95	7A	3I	
King	Laborers	Brush Cutter	$43.95	7A	3I	
King	Laborers	Brush Hog Feeder	$43.95	7A	3I	
King	Laborers	Burner	$43.95	7A	3I	
King	Laborers	Caisson Worker	$45.32	7A	3I	
King	Laborers	Carpenter Tender	$43.95	7A	3I	
King	Laborers	Caulker	$43.95	7A	3I	
King	Laborers	Cement Dumper-paving	$44.76	7A	3I	
King	Laborers	Cement Finisher Tender	$43.95	7A	3I	
King	Laborers	Change House Or Dry Shack	$43.95	7A	3I	
King	Laborers	Chipping Gun (under 30 Lbs.)	$43.95	7A	3I	
King	Laborers	Chipping Gun(30 Lbs. And Over)	$44.76	7A	3I	
King	Laborers	Choker Setter	$43.95	7A	3I	
King	Laborers	Chuck Tender	$43.95	7A	3I	
King	Laborers	Clary Power Spreader	$44.76	7A	3I	
King	Laborers	Clean-up Laborer	$43.95	7A	3I	
King	Laborers	Concrete Dumper/chute Operator	$44.76	7A	3I	
King	Laborers	Concrete Form Stripper	$43.95	7A	3I	
King	Laborers	Concrete Placement Crew	$44.76	7A	3I	
King	Laborers	Concrete Saw Operator/core Driller	$44.76	7A	3I	
King	Laborers	Crusher Feeder	$37.26	7A	3I	

King	Laborers	Curing Laborer	$43.95	7A	3I	
King	Laborers	Demolition: Wrecking & Moving (incl. Charred Material)	$43.95	7A	3I	
King	Laborers	Ditch Digger	$43.95	7A	3I	
King	Laborers	Diver	$45.32	7A	3I	
King	Laborers	Drill Operator (hydraulic,diamond)	$44.76	7A	3I	
King	Laborers	Dry Stack Walls	$43.95	7A	3I	
King	Laborers	Dump Person	$43.95	7A	3I	
King	Laborers	Epoxy Technician	$43.95	7A	3I	
King	Laborers	Erosion Control Worker	$43.95	7A	3I	
King	Laborers	Faller & Bucker Chain Saw	$44.76	7A	3I	
King	Laborers	Fine Graders	$43.95	7A	3I	
King	Laborers	Firewatch	$37.26	7A	3I	
King	Laborers	Form Setter	$43.95	7A	3I	
King	Laborers	Gabian Basket Builders	$43.95	7A	3I	
King	Laborers	General Laborer	$43.95	7A	3I	
King	Laborers	Grade Checker & Transit Person	$45.32	7A	3I	
King	Laborers	Grinders	$43.95	7A	3I	
King	Laborers	Grout Machine Tender	$43.95	7A	3I	
King	Laborers	Groutmen (pressure)including Post Tension Beams	$44.76	7A	3I	
King	Laborers	Guardrail Erector	$43.95	7A	3I	
King	Laborers	Hazardous Waste Worker (level A)	$45.32	7A	3I	
King	Laborers	Hazardous Waste Worker (level B)	$44.76	7A	3I	
King	Laborers	Hazardous Waste Worker (level C)	$43.95	7A	3I	
King	Laborers	High Scaler	$45.32	7A	3I	
King	Laborers	Jackhammer	$44.76	7A	3I	
King	Laborers	Laserbeam Operator	$44.76	7A	3I	
King	Laborers	Maintenance Person	$43.95	7A	3I	
King	Laborers	Manhole Builder-mudman	$44.76	7A	3I	
King	Laborers	Material Yard Person	$43.95	7A	3I	
King	Laborers	Motorman-dinky Locomotive	$44.76	7A	3I	
King	Laborers	Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Bla	$44.76	7A	3I	
King	Laborers	Pavement Breaker	$44.76	7A	3I	
King	Laborers	Pilot Car	$37.26	7A	3I	
King	Laborers	Pipe Layer Lead	$45.32	7A	3I	
King	Laborers	Pipe Layer/tailor	$44.76	7A	3I	
King	Laborers	Pipe Pot Tender	$44.76	7A	3I	
King	Laborers	Pipe Reliner	$44.76	7A	3I	

King	Laborers	Pipe Wrapper	$44.76	7A	3I	
King	Laborers	Pot Tender	$43.95	7A	3I	
King	Laborers	Powderman	$45.32	7A	3I	
King	Laborers	Powderman's Helper	$43.95	7A	3I	
King	Laborers	Power Jacks	$44.76	7A	3I	
King	Laborers	Railroad Spike Puller - Power	$44.76	7A	3I	
King	Laborers	Raker - Asphalt	$45.32	7A	3I	
King	Laborers	Re-timberman	$45.32	7A	3I	
King	Laborers	Remote Equipment Operator	$44.76	7A	3I	
King	Laborers	Rigger/signal Person	$44.76	7A	3I	
King	Laborers	Rip Rap Person	$43.95	7A	3I	
King	Laborers	Rivet Buster	$44.76	7A	3I	
King	Laborers	Rodder	$44.76	7A	3I	
King	Laborers	Scaffold Erector	$43.95	7A	3I	
King	Laborers	Scale Person	$43.95	7A	3I	
King	Laborers	Sloper (over 20")	$44.76	7A	3I	
King	Laborers	Sloper Sprayer	$43.95	7A	3I	
King	Laborers	Spreader (concrete)	$44.76	7A	3I	
King	Laborers	Stake Hopper	$43.95	7A	3I	
King	Laborers	Stock Piler	$43.95	7A	3I	
King	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	$44.76	7A	3I	
King	Laborers	Tamper (multiple & Self-propelled)	$44.76	7A	3I	
King	Laborers	Timber Person - Sewer (lagger, Shorer & Cribber)	$44.76	7A	3I	
King	Laborers	Toolroom Person (at Jobsite)	$43.95	7A	3I	
King	Laborers	Topper	$43.95	7A	3I	
King	Laborers	Track Laborer	$43.95	7A	3I	
King	Laborers	Track Liner (power)	$44.76	7A	3I	
King	Laborers	Traffic Control Laborer	$39.84	7A	3I	8R
King	Laborers	Traffic Control Supervisor	$39.84	7A	3I	8R
King	Laborers	Truck Spotter	$43.95	7A	3I	
King	Laborers	Tugger Operator	$44.76	7A	3I	
King	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	$74.29	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	$79.32	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	$83.00	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	$88.70	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	$90.82	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	$95.92	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	$97.82	7A	3I	8Q

King	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	$99.82	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	$101.82	7A	3I	8Q
King	Laborers	Tunnel Work-Guage and Lock Tender	$45.42	7A	3I	8Q
King	Laborers	Tunnel Work-Miner	$45.42	7A	3I	8Q
King	Laborers	Vibrator	$44.76	7A	3I	
King	Laborers	Vinyl Seamer	$43.95	7A	3I	
King	Laborers	Watchman	$33.86	7A	3I	
King	Laborers	Welder	$44.76	7A	3I	
King	Laborers	Well Point Laborer	$44.76	7A	3I	
King	Laborers	Window Washer/cleaner	$33.86	7A	3I	
King	Laborers - Underground Sewer & Water	General Laborer & Topman	$43.95	7A	3I	
King	Laborers - Underground Sewer & Water	Pipe Layer	$44.76	7A	3I	
King	Landscape Construction	Irrigation Or Lawn Sprinkler Installers	$13.56		1	
King	Landscape Construction	Landscape Equipment Operators Or Truck Drivers	$28.17		1	
King	Landscape Construction	Landscaping or Planting Laborers	$17.87		1	
King	Lathers	Journey Level	$54.02	5D	1H	
King	Marble Setters	Journey Level	$52.82	5A	1M	
King	Metal Fabrication (In Shop)	Fitter	$15.86		1	
King	Metal Fabrication (In Shop)	Laborer	$9.78		1	
King	Metal Fabrication (In Shop)	Machine Operator	$13.04		1	
King	Metal Fabrication (In Shop)	Painter	$11.10		1	
King	Metal Fabrication (In Shop)	Welder	$15.48		1	
King	Millwright	Journey Level	$55.52	5D	4C	
King	Modular Buildings	Cabinet Assembly	$11.56		1	
King	Modular Buildings	Electrician	$11.56		1	
King	Modular Buildings	Equipment Maintenance	$11.56		1	
King	Modular Buildings	Plumber	$11.56		1	
King	Modular Buildings	Production Worker	$9.47		1	
King	Modular Buildings	Tool Maintenance	$11.56		1	
King	Modular Buildings	Utility Person	$11.56		1	
King	Modular Buildings	Welder	$11.56		1	
King	Painters	Journey Level	$39.35	6Z	2B	
King	Pile Driver	Journey Level	$54.27	5D	4C	
King	Plasterers	Journey Level	$51.68	7Q	1R	
King	Playground & Park Equipment Installers	Journey Level	$9.47		1	
King	Plumbers & Pipefitters	Journey Level	$75.69	6Z	1G	
King	Power Equipment Operators	Asphalt Plant Operators	$56.94	7A	3C	8P
King	Power Equipment Operators	Assistant Engineer	$53.57	7A	3C	8P
King	Power Equipment Operators	Barrier Machine (zipper)	$56.44	7A	3C	8P

King	Power Equipment Operators	Batch Plant Operator, Concrete	$56.44	7A	3C	8P
King	Power Equipment Operators	Bobcat	$53.57	7A	3C	8P
King	Power Equipment Operators	Brokk - Remote Demolition Equipment	$53.57	7A	3C	8P
King	Power Equipment Operators	Brooms	$53.57	7A	3C	8P
King	Power Equipment Operators	Bump Cutter	$56.44	7A	3C	8P
King	Power Equipment Operators	Cableways	$56.94	7A	3C	8P
King	Power Equipment Operators	Chipper	$56.44	7A	3C	8P
King	Power Equipment Operators	Compressor	$53.57	7A	3C	8P
King	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$56.94	7A	3C	8P
King	Power Equipment Operators	Concrete Finish Machine -laser Screed	$53.57	7A	3C	8P
King	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	$56.00	7A	3C	8P
King	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$56.44	7A	3C	8P
King	Power Equipment Operators	Conveyors	$56.00	7A	3C	8P
King	Power Equipment Operators	Cranes Friction: 200 tons and over	$58.67	7A	3C	8P
King	Power Equipment Operators	Cranes: 20 Tons Through 44 Tons With Attachments	$56.44	7A	3C	8P
King	Power Equipment Operators	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	$57.51	7A	3C	8P
King	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250’ of boom including jib with attachments	$58.10	7A	3C	8P
King	Power Equipment Operators	Cranes: 300 tons and over or 300’ of boom including jib with attachments	$58.67	7A	3C	8P
King	Power Equipment Operators	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	$56.94	7A	3C	8P
King	Power Equipment Operators	Cranes: A-frame - 10 Tons And Under	$53.57	7A	3C	8P
King	Power Equipment Operators	Cranes: Friction cranes through 199 tons	$58.10	7A	3C	8P
King	Power Equipment Operators	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	$56.00	7A	3C	8P
King	Power Equipment Operators	Crusher	$56.44	7A	3C	8P
King	Power Equipment Operators	Deck Engineer/deck Winches (power)	$56.44	7A	3C	8P
King	Power Equipment Operators	Derricks, On Building Work	$56.94	7A	3C	8P
King	Power Equipment Operators	Dozers D-9 & Under	$56.00	7A	3C	8P
King	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	$56.00	7A	3C	8P

King	Power Equipment Operators	Drilling Machine	$57.51	7A	3C	8P
King	Power Equipment Operators	Elevator And Man-lift: Permanent And Shaft Type	$53.57	7A	3C	8P
King	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$56.44	7A	3C	8P
King	Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	$56.00	7A	3C	8P
King	Power Equipment Operators	Forklifts: Under 3000 Lbs. With Attachments	$53.57	7A	3C	8P
King	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$56.44	7A	3C	8P
King	Power Equipment Operators	Gradechecker/stakeman	$53.57	7A	3C	8P
King	Power Equipment Operators	Guardrail Punch	$56.44	7A	3C	8P
King	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$56.94	7A	3C	8P
King	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$56.44	7A	3C	8P
King	Power Equipment Operators	Horizontal/directional Drill Locator	$56.00	7A	3C	8P
King	Power Equipment Operators	Horizontal/directional Drill Operator	$56.44	7A	3C	8P
King	Power Equipment Operators	Hydralifts/boom Trucks Over 10 Tons	$56.00	7A	3C	8P
King	Power Equipment Operators	Hydralifts/boom Trucks, 10 Tons And Under	$53.57	7A	3C	8P
King	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	$57.51	7A	3C	8P
King	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$56.94	7A	3C	8P
King	Power Equipment Operators	Loaders, Overhead Under 6 Yards	$56.44	7A	3C	8P
King	Power Equipment Operators	Loaders, Plant Feed	$56.44	7A	3C	8P
King	Power Equipment Operators	Loaders: Elevating Type Belt	$56.00	7A	3C	8P
King	Power Equipment Operators	Locomotives, All	$56.44	7A	3C	8P
King	Power Equipment Operators	Material Transfer Device	$56.44	7A	3C	8P
King	Power Equipment Operators	Mechanics, All (leadmen - $0.50 Per Hour Over Mechanic)	$57.51	7A	3C	8P
King	Power Equipment Operators	Motor Patrol Graders	$56.94	7A	3C	8P
King	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$56.94	7A	3C	8P
King	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$53.57	7A	3C	8P
King	Power Equipment Operators	Outside Hoists (elevators And Manlifts), Air Tuggers,strato	$56.00	7A	3C	8P
King	Power Equipment Operators	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	$56.44	7A	3C	8P

King	Power Equipment Operators	Overhead, Bridge Type: 100 Tons And Over	$57.51	7A	3C	8P
King	Power Equipment Operators	Overhead, Bridge Type: 45 Tons Through 99 Tons	$56.94	7A	3C	8P
King	Power Equipment Operators	Pavement Breaker	$53.57	7A	3C	8P
King	Power Equipment Operators	Pile Driver (other Than Crane Mount)	$56.44	7A	3C	8P
King	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	$56.00	7A	3C	8P
King	Power Equipment Operators	Posthole Digger, Mechanical	$53.57	7A	3C	8P
King	Power Equipment Operators	Power Plant	$53.57	7A	3C	8P
King	Power Equipment Operators	Pumps - Water	$53.57	7A	3C	8P
King	Power Equipment Operators	Quad 9, Hd 41, D10 And Over	$56.94	7A	3C	8P
King	Power Equipment Operators	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	$53.57	7A	3C	8P
King	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	$56.94	7A	3C	8P
King	Power Equipment Operators	Rigger And Bellman	$53.57	7A	3C	8P
King	Power Equipment Operators	Rigger/Signal Person, Bellman (Certified)	$56.00	7A	3C	8P
King	Power Equipment Operators	Rollagon	$56.94	7A	3C	8P
King	Power Equipment Operators	Roller, Other Than Plant Mix	$53.57	7A	3C	8P
King	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	$56.00	7A	3C	8P
King	Power Equipment Operators	Roto-mill, Roto-grinder	$56.44	7A	3C	8P
King	Power Equipment Operators	Saws - Concrete	$56.00	7A	3C	8P
King	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	$56.44	7A	3C	8P
King	Power Equipment Operators	Scrapers - Concrete & Carry All	$56.00	7A	3C	8P
King	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	$56.94	7A	3C	8P
King	Power Equipment Operators	Service Engineers - Equipment	$56.00	7A	3C	8P
King	Power Equipment Operators	Shotcrete/gunite Equipment	$53.57	7A	3C	8P
King	Power Equipment Operators	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	$56.00	7A	3C	8P
King	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$56.94	7A	3C	8P
King	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$56.44	7A	3C	8P
King	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$57.51	7A	3C	8P
King	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$58.10	7A	3C	8P
King	Power Equipment Operators	Slipform Pavers	$56.94	7A	3C	8P
King	Power Equipment Operators	Spreader, Topsider & Screedman	$56.94	7A	3C	8P
King	Power Equipment Operators	Subgrader Trimmer	$56.44	7A	3C	8P

King	Power Equipment Operators	Tower Bucket Elevators	$56.00	7A	3C	8P
King	Power Equipment Operators	Tower Crane Up To 175' In Height Base To Boom	$57.51	7A	3C	8P
King	Power Equipment Operators	Tower Crane: over 175’ through 250’ in height, base to boom	$58.10	7A	3C	8P
King	Power Equipment Operators	Tower Cranes: over 250’ in height from base to boom	$58.67	7A	3C	8P
King	Power Equipment Operators	Transporters, All Track Or Truck Type	$56.94	7A	3C	8P
King	Power Equipment Operators	Trenching Machines	$56.00	7A	3C	8P
King	Power Equipment Operators	Truck Crane Oiler/driver - 100 Tons And Over	$56.44	7A	3C	8P
King	Power Equipment Operators	Truck Crane Oiler/driver Under 100 Tons	$56.00	7A	3C	8P
King	Power Equipment Operators	Truck Mount Portable Conveyor	$56.44	7A	3C	8P
King	Power Equipment Operators	Welder	$56.94	7A	3C	8P
King	Power Equipment Operators	Wheel Tractors, Farmall Type	$53.57	7A	3C	8P
King	Power Equipment Operators	Yo Yo Pay Dozer	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operators	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator, Concrete	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Bobcat	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Brooms	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Bump Cutter	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cableways	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Chipper	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Compressor	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine -laser Screed	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$56.44	7A	3C	8P

King	Power Equipment Operators-Underground Sewer & Water	Conveyors	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes Friction: 200 tons and over	$58.67	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: 20 Tons Through 44 Tons With Attachments	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250’ of boom including jib with attachments	$58.10	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: 300 tons and over or 300’ of boom including jib with attachments	$58.67	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: A-frame - 10 Tons And Under	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: Friction cranes through 199 tons	$58.10	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Crusher	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Deck Engineer/deck Winches (power)	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Derricks, On Building Work	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Dozers D-9 & Under	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Drilling Machine	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Elevator And Man-lift: Permanent And Shaft Type	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Forklift: 3000 Lbs And Over With Attachments	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Forklifts: Under 3000 Lbs. With Attachments	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Gradechecker/stakeman	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Guardrail Punch	$56.44	7A	3C	8P

King	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Horizontal/directional Drill Locator	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Horizontal/directional Drill Operator	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom Trucks Over 10 Tons	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom Trucks, 10 Tons And Under	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Loaders, Overhead Under 6 Yards	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Loaders, Plant Feed	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Loaders: Elevating Type Belt	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Locomotives, All	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Material Transfer Device	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Mechanics, All (leadmen - $0.50 Per Hour Over Mechanic)	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Motor Patrol Graders	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Outside Hoists (elevators And Manlifts), Air Tuggers,strato	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type: 100 Tons And Over	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type: 45 Tons Through 99 Tons	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Pavement Breaker	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Pile Driver (other Than Crane Mount)	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	$56.00	7A	3C	8P

King	Power Equipment Operators-Underground Sewer & Water	Posthole Digger, Mechanical	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Power Plant	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Pumps - Water	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Rigger And Bellman	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Rigger/Signal Person, Bellman (Certified)	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Rollagon	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Service Engineers - Equipment	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Shotcrete/gunite Equipment	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$58.10	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	$56.94	7A	3C	8P

King	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Tower Crane Up To 175' In Height Base To Boom	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Tower Crane: over 175’ through 250’ in height, base to boom	$58.10	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Tower Cranes: over 250’ in height from base to boom	$58.67	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver - 100 Tons And Over	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver Under 100 Tons	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Welder	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	$56.44	7A	3C	8P
King	Power Line Clearance Tree Trimmers	Journey Level In Charge	$45.75	5A	4A	
King	Power Line Clearance Tree Trimmers	Spray Person	$43.38	5A	4A	
King	Power Line Clearance Tree Trimmers	Tree Equipment Operator	$45.75	5A	4A	
King	Power Line Clearance Tree Trimmers	Tree Trimmer	$40.84	5A	4A	
King	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$30.74	5A	4A	
King	Refrigeration & Air Conditioning Mechanics	Journey Level	$74.36	6Z	1G	
King	Residential Brick Mason	Journey Level	$52.82	5A	1M	
King	Residential Carpenters	Journey Level	$28.20		1	
King	Residential Cement Masons	Journey Level	$22.64		1	
King	Residential Drywall Applicators	Journey Level	$40.64	5D	4C	
King	Residential Drywall Tapers	Journey Level	$54.07	5P	1E	
King	Residential Electricians	Journey Level	$30.44		1	
King	Residential Glaziers	Journey Level	$38.40	7L	1H	
King	Residential Insulation Applicators	Journey Level	$26.28		1	
King	Residential Laborers	Journey Level	$23.03		1	

King	Residential Marble Setters	Journey Level	$24.09		1	
King	Residential Painters	Journey Level	$24.46		1	
King	Residential Plumbers & Pipefitters	Journey Level	$34.69		1	
King	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$74.36	6Z	1G	
King	Residential Sheet Metal Workers	Journey Level (Field or Shop)	$43.46	7F	1R	
King	Residential Soft Floor Layers	Journey Level	$44.11	5A	3D	
King	Residential Sprinkler Fitters (Fire Protection)	Journey Level	$42.73	5C	2R	
King	Residential Stone Masons	Journey Level	$52.82	5A	1M	
King	Residential Terrazzo Workers	Journey Level	$47.46	5A	1M	
King	Residential Terrazzo/Tile Finishers	Journey Level	$21.46		1	
King	Residential Tile Setters	Journey Level	$25.17		1	
King	Roofers	Journey Level	$46.46	5A	3H	
King	Roofers	Using Irritable Bituminous Materials	$49.46	5A	3H	
King	Sheet Metal Workers	Journey Level (Field or Shop)	$72.83	7F	1E	
King	Shipbuilding & Ship Repair	Boilermaker	$40.87	7M	1H	
King	Shipbuilding & Ship Repair	Carpenter	$40.41	7T	2B	
King	Shipbuilding & Ship Repair	Electrician	$41.43	7T	4B	
King	Shipbuilding & Ship Repair	Heat & Frost Insulator	$63.18	5J	1S	
King	Shipbuilding & Ship Repair	Laborer	$41.47	7T	4B	
King	Shipbuilding & Ship Repair	Machinist	$41.46	7T	4B	
King	Shipbuilding & Ship Repair	Operator	$41.39	7T	4B	
King	Shipbuilding & Ship Repair	Painter	$41.42	7T	4B	
King	Shipbuilding & Ship Repair	Pipefitter	$41.40	7T	4B	
King	Shipbuilding & Ship Repair	Rigger	$41.48	7T	4B	
King	Shipbuilding & Ship Repair	Sheet Metal	$41.43	7T	4B	
King	Shipbuilding & Ship Repair	Shipfitter	$41.48	7T	4B	
King	Shipbuilding & Ship Repair	Trucker	$41.32	7T	4B	
King	Shipbuilding & Ship Repair	Warehouse	$41.37	7T	4B	
King	Shipbuilding & Ship Repair	Welder/Burner	$41.48	7T	4B	
King	Sign Makers & Installers (Electrical)	Sign Installer	$22.92		1	
King	Sign Makers & Installers (Electrical)	Sign Maker	$21.36		1	
King	Sign Makers & Installers (Non-Electrical)	Sign Installer	$27.28		1	
King	Sign Makers & Installers (Non-Electrical)	Sign Maker	$33.25		1	
King	Soft Floor Layers	Journey Level	$44.11	5A	3D	
King	Solar Controls For Windows	Journey Level	$12.44		1	
King	Sprinkler Fitters (Fire Protection)	Journey Level	$70.14	5C	1X	
King	Stage Rigging Mechanics (Non Structural)	Journey Level	$13.23		1	

King	Stone Masons	Journey Level	$52.82	5A	1M	
King	Street And Parking Lot Sweeper Workers	Journey Level	$19.09		1	
King	Surveyors	Assistant Construction Site Surveyor	$56.00	7A	3C	8P
King	Surveyors	Chainman	$55.47	7A	3C	8P
King	Surveyors	Construction Site Surveyor	$56.94	7A	3C	8P
King	Telecommunication Technicians	Journey Level	$22.76		1	
King	Telephone Line Construction - Outside	Cable Splicer	$37.60	5A	2B	
King	Telephone Line Construction - Outside	Hole Digger/Ground Person	$20.79	5A	2B	
King	Telephone Line Construction - Outside	Installer (Repairer)	$36.02	5A	2B	
King	Telephone Line Construction - Outside	Special Aparatus Installer I	$37.60	5A	2B	
King	Telephone Line Construction - Outside	Special Apparatus Installer II	$36.82	5A	2B	
King	Telephone Line Construction - Outside	Telephone Equipment Operator (Heavy)	$37.60	5A	2B	
King	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$34.94	5A	2B	
King	Telephone Line Construction - Outside	Telephone Lineperson	$34.93	5A	2B	
King	Telephone Line Construction - Outside	Television Groundperson	$19.73	5A	2B	
King	Telephone Line Construction - Outside	Television Lineperson/Installer	$26.31	5A	2B	
King	Telephone Line Construction - Outside	Television System Technician	$31.50	5A	2B	
King	Telephone Line Construction - Outside	Television Technician	$28.23	5A	2B	
King	Telephone Line Construction - Outside	Tree Trimmer	$34.93	5A	2B	
King	Terrazzo Workers	Journey Level	$47.46	5A	1M	
King	Tile Setters	Journey Level	$21.65		1	
King	Tile, Marble & Terrazzo Finishers	Finisher	$38.29	5A	1B	
King	Traffic Control Stripers	Journey Level	$43.73	7A	1K	
King	Truck Drivers	Asphalt Mix Over 16 Yards (W. WA-Joint Council 28)	$51.25	5D	3A	8L
King	Truck Drivers	Asphalt Mix To 16 Yards (W. WA-Joint Council 28)	$50.41	5D	3A	8L
King	Truck Drivers	Dump Truck & Trailer	$51.25	5D	3A	8L
King	Truck Drivers	Dump Truck (W. WA-Joint Council 28)	$50.41	5D	3A	8L
King	Truck Drivers	Other Trucks (W. WA-Joint Council 28)	$51.25	5D	3A	8L
King	Truck Drivers	Transit Mixer	$43.23		1	

King	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$17.71		1	
King	Well Drillers & Irrigation Pump Installers	Oiler	$12.97		1	
King	Well Drillers & Irrigation Pump Installers	Well Driller	$18.00		1	

APPENDIX C

CONTRACTING DRAWINGS

(UNDER SEPARATE COVER)